THE CHEMIST AND DRUGGIST

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Established in ENGLAND, 1859

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TELEGRAPHIC ADDRESS: "CHEMICUS, CANNON, LONDON." [Charged as two words only.]
Established in AUSTRALASIA, 1885

No. 2,000. Vol. XC. MAY 25. 1918.

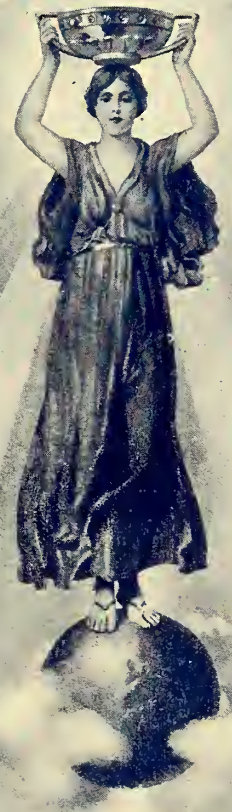
Subscription Rate, 12s. 6d. per annum
Single Copies, 6d. each. Winter and Summer Issues, 1s. each. Post Free.

'Bynogen' Trade Mark
BRINGS HEALTH

An Easily Digested Nerve Food Rich in Phosphorus

Composition of "Bynogen."
"Bynogen" is a combination of pure Milk Protein, 75 per cent.; a specially prepared soluble extract obtained from selected whole wheat and malt, 20 per cent.; with 2 per cent. each of the Glycerophosphates of Soda and Lime and 1 per cent. of Glycerophosphate of Magnesia.

Uses of "Bynogen."
"Bynogen" is indicated in all Enfeebled conditions, in Convalescence after Severe Illness, Mental and Nervous Exhaustion due to worry or overwork, Insomnia, Physical Fatigue, Wasting Diseases, Anæmia, Digestive Troubles, and is very helpful to Nursing Mothers.



A Concentrated Nutrient and Restorative

Advantages of "Bynogen."
"Bynogen" possesses a most attractive flavour and thereby overcomes the objection hitherto experienced in other somewhat similar products.
"Bynogen" aids and strengthens digestion, improves nutrition, and does not cause constipation.
"Bynogen" is delicious when sprinkled on puddings, toast, etc. It mixes readily with milk and other fluids, or it may be eaten plain if desired.

Minimum Retail Prices:
1/9, 3/-, 5/- and 9/- per bottle.

Gross Wholesale Prices:
17/-, 29/-, 48/6 and 87/- per doz. respectively.

SAMPLES AND DESCRIPTIVE LEAFLETS FREE ON REQUEST.

Allen & Hanburys Ltd., London

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Umney's Choice Synthetics, &c.

"ROSETTOL"

A delicate fragrant Rose compound for Perfumes, Toilet Preparations, Rose Water, etc. ... **20/-** per oz.

"ROSETTOL" First in the Field, still holds first place amongst the synthetic Rose products.

A PHARMACIST'S OPINION—"'ROSETTOL' is better than any other artificial otto that I have tried."—GEORGE LUNAN, F.C.S., Pharmaceutical Chemist, Edinburgh.

PRESS OPINION.—"When the firm's 'ROSETTOL' was first introduced, we were much impressed by its excellent qualities, and thought it was, in fact, an improvement upon the natural otto; we think so still."—THE PHARMACEUTICAL JOURNAL.

"NEROLETTOL"

A Substitute for Oil of Orange Flowers... ... ... **7/3** per oz.

ANOTHER PHARMACIST writes:—"I have been experimenting for years to perfect my Eau de Cologne, and have tried all grades of genuine Neroli, and many Neroli substitutes. As a result, I can confidently pronounce your 'NEROLETTOL' to be easily first as to synthetics, and superior to all grades of genuine NEROLI, except the very finest. It is not as strong as some others, but is more delicate and true to the flower."—T. A. RONCHETTI, Thornaby-on-Tees.

BENZOINETTOL. For Perfuming Benzoin Creams, Lotions, etc. ... ... **5/-** per oz.

BERGAMETTOL. Artificial Bergamot Oil **1/6** per oz.; **20/-** per lb.

CARNATESSE. The Fragrance of the Clove Pink accurately represented ... ... **7/6** per oz.

GERANETTOL. Artificial Geranium Oil **1/6** per oz.; **20/-** per lb.

JASMINETTOL. Artificial Jasmin Oil. The true Natural Odour of the Jasmine ... **10/6** per oz.

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MUSCOL. A Perfume fixative to replace Musk and Ambergris ... ... **4/6** per oz.

MUSKINETTOL. A Highly Concentrated Blended Extract of Natural Musk ... ... **35/-** per oz.

PATCHOULETTOL. A substitute for Patchouli Oil ... ... **3/6** per oz.

SACHETTOL. A delightful perfume, very persistent. Economical in use. An excellent basis for sachet powders or for use in toilet creams **7/6** per oz.

VIOLONOL. The true fragrance of the Violet. For Perfumes, Toilet Specialities, etc., **10/6** per oz.

Special preparations of the above, miscible with oil, can be supplied for Brilliantines.

UMNEY'S PERFUMERY PRODUCTS

WERE AWARDED

GRAND PRIX, Turin International Exhibition, 1911.
GOLD MEDAL, Brussels International Exhibition, 1910.

WRIGHT, LAYMAN & UMNEY, LTD.

SOUTHWARK, LONDON, S.E. 1.

ZEE-KOL News

Published in the Interests of the Chemist and the Public he serves.

THE CHEMISTS' PROBLEM

is like that of the Dentist. About 999 out of every 1000 persons visit the latter under more or less painful compulsion. He is the most successful Chemist or Dentist who can induce the Public to visit him without compulsion.

The most successful Chemists and Dentists attract the bulk of their patronage by "Service." The Chemist who obliges with a postage stamp has the right idea, especially if he renders this small and seemingly unprofitable service with a right good will that places the visitor under a pleasing obligation.

How is it that some Chemists sell 3 dozen tins of Zee-Kol Skin Ointment where others sell none, or only a solitary tin?

Which is the more profitable—the none, or one, or the 3 dozen?

The "Service Idea" Chemist makes more sales and profits because he makes it his pleasure and profit to know the merits of the articles he can offer to the Public.

The "other" Chemist hands over just what he is asked for, like an automatic machine, and perhaps with a bad grace, or a disparaging or negative remark. If he is asked: "What is good for Eczema?" he places all the different articles he has in stock before his bewildered enquirer with some such remark as: "Oh! they are all much alike." Or, if he has a put-up preparation of his owu—the only proprietarial portion of which is his own name printed on the label—"free with a gross order"—he is content to sell it without any real knowledge of its merits or demerits.

INVITATION OFFER TO CHEMISTS!

The Zee-Kol Mfg. Co. know well the superior merits of Zee-Kol. They know that many Chemists do not know what they know, so they will gladly send *a 1/3 tin free of charge for trial purposes.*

The Chemist accepting this offer need uot assume any personal responsibility. He can either sell or give it to some poor person with the non-committal explanation of: "I have had this sent to me as a Free Trial Supply. You are welcome to try it free. If it proves as good as the makers say, both you and I will be pleased. I shall be pleased because I can then recommend it to other sufferers in need of a really good Skin Cure."

LOOK AT ALL THESE CHANCES OF SALES OF ZEE-KOL.

Think of the wide field of sales of Zee-Kol to persons suffering from all the following skin troubles:

PIMPLES	PEELING OF SKIN	PILES
BLACKHEADS	HERPES	ABSCESSES
RASHES	CORNS	CHAPPED HANDS
CUTS	SORE BREASTS	DISCHARGING PARTS
BURNS	SORE THROAT	ITCHING
SCALDS	ECZEMA	SORES OF ALL KINDS
CHILBLAINS	ERUPTIONS	DANDRUFF
RINGWORM	BOILS	BED SORES
BARBER'S RASH	ULCERS	ERYSIPELAS
NETTLE RASH	CARBUNCLES	SORE FEET
VARICOSE VEINS	BAD LEGS	

All these are relieved or cured by the application of Zee-Kol, and your recommendation of this medically approved scieutific preparation will add to your personal and business goodwill and profit with the public.

YOU CAN ORDER ANY QUANTITY of Zee-Kol from your Wholesale House, or direct. No delay, no fuss or bother. Include a ¼, ½, or 1 dozen order on your next wholesale requisition. But that's not quite all. First show and mention Zee-Kol where and when you can.

YOU WILL GET REPEAT AND NEW RECOMMENDED ORDERS

if you will carry out the foregoing suggestions. Thus you can easily build up a nice ever-growing sale for Zee-Kol, and so iucrease your sale and profits, and

THE PROFIT IS ALL RIGHT.

The 1/3 tins of Zee-Kol are supplied through your Wholesaler at 12/- per dozen, and the 3/- tins at 28/6 per doz. rate. The tins are not heavy if you pay carriage on your parcels, nor are they so large as to be an item of consideration if your shop is heavily rented, and

Each Zee-Kol customer comes again and again and recommends other customers.

THE FOLLOWING WHOLESALE HOUSES SUPPLY ZEE-KOL,

but you can order it through any other Wholesale House not mentioned iu this list:

Sangers, London	Ayrton, Saunders & Co., Liverpool
May, Roberts & Co., Ltd., London	Bleasdale, Ltd., York
Butler & Crispe, London	Raimes & Co., York
Wm. Edwards & Son, London	Evans, Cadd & Co., Ltd., Exeter
Barclay & Sons, Ltd., London	Raimes, Clarke & Co., Edinburgh
W. Sutton & Co., London	W. & R. Hatrick & Co., Glasgow
Francis Newbery & Sons, London	W. Patterson & Son, Aberdeen
Jas. Woolley, Sons & Co., Ltd., Manchester	Thomas McMullan & Co., Belfast
Evans Sons Lescher & Webb, Ltd., Liverpool	J. & J. Haslett, Belfast
	Haynes, Coningham & Robinson, Ltd., Dublin

If you have trouble of any kind in regard to supply, write direct to

THE ZEE-KOL MFG. CO.,
39 Mitchell Street, Old Street, London, E.C.1.

Every tin of Zee-Kol sold leads to other sales of the Zee-Kol preparations, Zee-Kol Blood and Tonic Pills and Zee-Kol Medicated Soap.

ZEE-KOL
THE WONDER SKIN CURE

VIS-À-VIS

39 Farringdon Road,
E.C. 1.
May, 1918.

Gentlemen,

By every post we receive remittances and orders for "Bacterol." Invariably they are accompanied by the remark—"I failed to obtain this from my local pharmacist."

Now this business is essentially yours, and we want you to have it. "Bacterol" shows 33⅓ % profit on cost or 25 % profit on selling price; moreover, it is a line entirely by itself.

In addition to its demand as an antiseptic and disinfectant, it is in universal use among beekeepers for Isle of Wight Disease, and has saved hundreds of hives. It has also lately been used with much success for preserving food—vide "The Guardian," March 27th, and "The Times," March 28th.

Our representatives are creating a big demand among the medical profession, and its use in medicine and surgery has rapidly extended from private practice to institutions, hospitals, sanatoria, &c.

"Bacterol" has unquestionably come to stay. As a potent germicide it meets a long-felt want in that it is *non-toxic*, and miscible with water in *all* proportions.

May we send you literature? Be up-to-date, order a small supply from your wholesaler *now* and secure your legitimate business.

What would be *your* impression upon calling upon a man for a comparatively new thing to find that he not only knew something about it, but had it in stock?

Yours faithfully,
MENLEY & JAMES, Ltd.

Tele.—"AMCOMCO, FLEET, LONDON." Phone—1508 HOLBORN.
NEW YORK—PARIS—MILAN THE Established 1898
AMERICAN COMMERCE CO. LTD.
MANUFACTURERS AND MERCHANTS
19 St. Bride Street, London, E.C.

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COUMARIN
POTASSIUM
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Importers and Exporters of
BRITISH - AMERICAN
JAPANESE and FRENCH
DRUGS.

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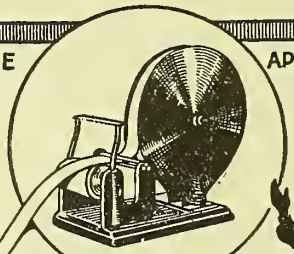

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DEMON
SEALING MACHINE

THE QUICKEST, SIMPLEST & SUREST METHOD OF PARCELLING.

Ask for particulars and samples, or, better still, our representative will be pleased to call and demonstrate.

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Regd. Offices:
47 RUTLAND ST., LEICESTER

A Safe & Indispensable Family Remedy.

EUSALINE

"THE FAVOURITE HEALTH DRINK."

The foremost place which **EUSALINE** now occupies in public appreciation amongst Natural Fruit Salines has been won by its outstanding merits.

QUALITIES:
Cooling
Refreshing
Cleansing
Sparkling
Palatable

As a Morning Tonic **EUSALINE** is unrivalled. It quickly corrects all indiscretions in eating and drinking—sweetens the stomach—cleanses the system and purifies the blood.

AN ALL-THE-YEAR SELLER. **KEEPS IN ALL CLIMATES.**

Its inviting sparkle, pleasing taste and flavour are particularly acceptable to children, who will take **EUSALINE** when they refuse all other aperients.

EUSALINE is being extensively advertised during the coming months, so that a large and steady demand is assured.

EUSALINE is Retailed at **1/9** per bottle.
Wholesale Price, 15/- per dozen.
Discount 15% and Carriage Paid on £5 orders.

Can also be had in boxes containing 13 packets, to Retail at **1½d.** per packet, or 2 for **2½d.**, and **1/3** per box.
Wholesale Price, 12/- per gross.
Discount 15%, plus Bonus according to quantity ordered. Carriage Paid on £5 orders.

GEORGE WALKER & SON, LTD.

Reid Street, Bridgeton - - - - - GLASGOW.

ESTABLISHED 1860.

Award, London, 1881 : "For Excellence of Quality."

Contractors to H.M. Government, the Crown Agents for the Colonies, etc.

The "4-Medal" Brand One-Drop Perfumes

Absolutely true to the flower, lasting and refreshing.

These One-Drop Perfumes are the best value and the quickest sellers on the market.

In Octagon Bottles, with globe stopper and glass rod. In view of the probable shortage of these special bottles (hitherto imported from Japan) it will be wise for buyers to anticipate their requirements.

Packed in round Fancy Boxes, with various floral designs.

10/- PER DOZEN.

MOST CONVENIENT AND PORTABLE FOR LADIES.

The following varieties of Perfumes are kept in stock :

Carnation	Lilac	New-Mown Hay	Sweet Pea
Ess. Bouquet	Lily of the Valley	Opoponax	Wallflower
Heliotrope	Mignonette	Parma Violet	White Rose
Jasmin	Mimosa	Peau d'Espagne	Ylang Ylang
Jockey Club	Musk	Portugal	

For cash with order we send carriage paid and free packages.

H. E. STEVENSON & CO.

Manufacturing Chemists and Wholesale Druggists,

122 GT. SUFFOLK ST., LONDON, S.E. 1.

Mr. Stevenson was for many years a Director of BAISS BROTHERS & STEVENSON, LTD.

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Secretary: Miss C. D. WALKER. Interviews, 4 to 5. Est. 1900.

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Send for Showcards, supplied post free.

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(*Red Mineralized and Arabesque*).

SURGICAL, CHEMICAL, DOMESTIC ARTICLES, SYRINGES, ENEMAS, WATER BEDS.

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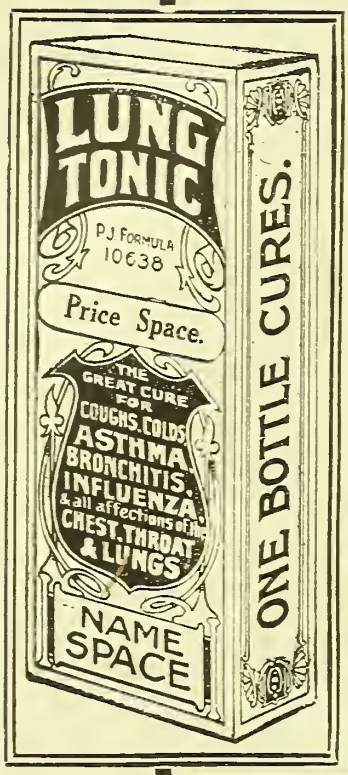

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FREE Sample
NAME on LABEL
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P. J. Form., therefore no stamps required. Known, admitted, and approved.

Excellent Profit, and nothing to do but hand it over the counter. Makes an effective Window Show — Quick seller. Sure repeats. —

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Write for new scale of prices according to quantity ordered.

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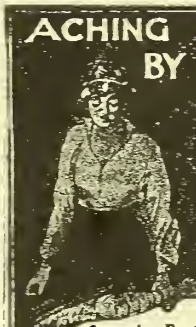
Apply for prices for

PILLS, CAPSULES, TABLETS, AND OTHER OWN NAMED PACKED LINES.

ACHING LIMBS ARE CURED BY A NORVIC CREPE BANDAGE



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Invaluable for binding. Displaces rubber and elastic web. More durable and one-third the cost. The Norwich Crepe Bandages, containing wool, provide warmth and do not absorb grease readily. Self-clinging and self-adjusting. Perfectly cleansed, sterilised, and resiliency entirely restored by washing in hot soft water (with addition of a little soap). The edges will not fray out nor ravel. Supplied only through the leading wholesale houses, neatly wrapped in labelled packages. Commended by the medical and nursing professions. Send for prices and samples to the sole manufacturers:

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ESTABLISHED 1880. TRADE MARK

All kinds, Shapes and Colours. Plain, Screw-capped and Stoppered.

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(G. Grant Forsyth, Managing Director)

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Only Wholesale Quantities Supplied.

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FINEST QUALITY *Norwegian* MEDICINAL NON-FREEZING

COD LIVER OIL

ISAAC SPENCER & CO., (ABERDEEN) LTD.,

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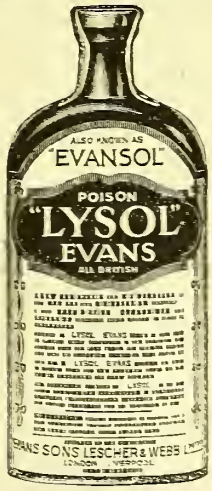
The Standard Disinfectant—always reliable. Specially suitable for Doctors, Nurses, etc.



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Free sample sent to your Professional clients on request.

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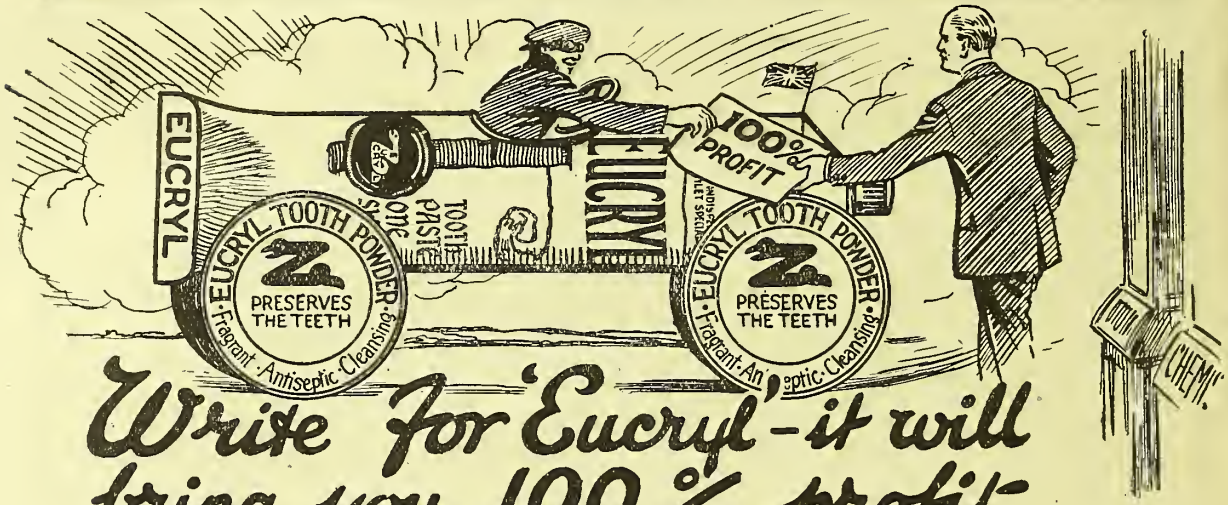

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Unexcelled in Uniformity of Quality, Brilliant Crystallisation and Purity of Colour.

CINCHONINE, CINCHONIDINE, QUINIDINE and their SALTS.

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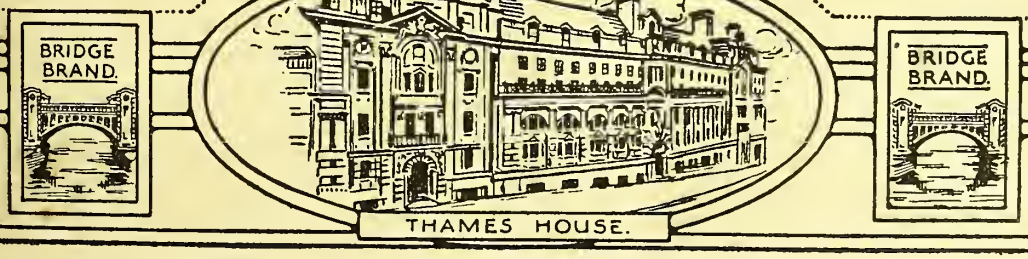

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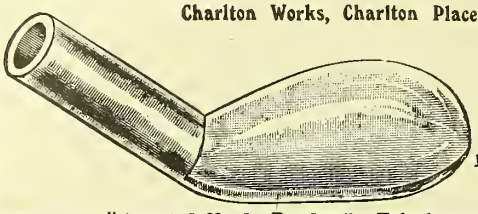

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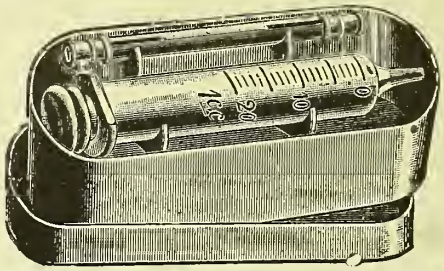

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(GUARANTEED RUST PROOF)
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GEORGE GOODMAN LTD.,
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Diadem Vanishing Cream.
The New Cream for discerning women, put up in original white globes. P.A.T.A. 3/9, costs you 30/- doz.

Diadem Face Powder.
The fragrant powder in the dainty striped box. P.A.T.A. 2/6, costs you 20/- doz.

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The wonderful, pleasant, effective liquid Hair Remover. Sells and gets repeats. P.A.T.A. 3/9, costs you 30/- doz.

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The dainty deodorant that eliminates all odour of perspiration. P.A.T.A. 2/6, costs you 20/- doz.

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A PERFECT OINTMENT BASE.

NEUTRAL, INODOROUS, FINELY MILLED.
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THE BRITISH LANOLINE CO., LEICESTER (Proprietors: Howard Lloyd & Co., Ld.)

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MICHIGAN,
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GENUINE AMERICAN
PEPPERMINT OIL
"Columbia" Natural
"Diamond White"
Re-distilled.
Finest qualities for Druggists, Distillers and Confectioners.

Sole Consignees in United Kingdom—
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CARPET SOAP
CLEANS CARPETS LIKE NEW.
One Tablet will clean a large carpet.

Wholesale Price List sent on receipt of a postcard.

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67 Albany Works, BATH

TELEPHONE: CITY 7 PRIVATE BRANCH EXCHANGE
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S·MAW·SON & SONS LTD
7/12 ALDERSGATE STREET
LONDON
ENGLAND

CABLES: ELEVEN LONDON
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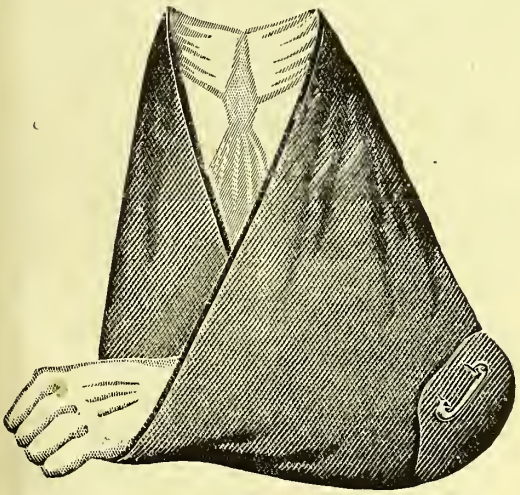
Maw's Page.

NUMBER 345. MAY 25, 1918.

'CELLA' ARM SLING
KNITTED NOT WOVEN



THIS Arm Sling is a standard size plain triangular bandage —i.e. 54 in. at its longest measurement — and is therefore of the simplest in adjustment.

Its material and construction permit of a certain amount of elasticity, which adds very considerably to the comfort of the wearer, and being perfectly ventilated, it is most suitable for use at any time.

The Sling is an ideal one for an officer's use, as it is plain khaki in colour, while it is equally a neat and inconspicuous support for civilian use.

PRICE 11/6 PER DOZ.

MAW'S FAMILY DOUCHE

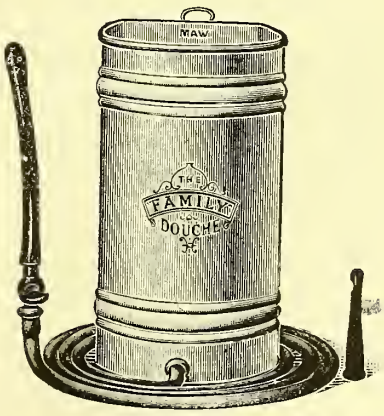
Strong white enamelled tin, fitted with 6 feet I.R. tubing, set of vulcanite fittings complete in carton. Entirely British.

WITH A QUALITY TUBING.

2-pt.	3-pt.	4-pt.
66/-	71/-	78/- doz.

WITH B QUALITY TUBING.

2-pt.	3-pt.	4-pt.
57/-	62/-	69/- doz.



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TRADE MARK "FRAME FOOD"

ON P.A.T.A. LIST. SHOWCARDS FREE.

FRAME FOOD CO., Standen Road, Southfields, London.

LIQ. SANTAL FLAV. c. BUCHU et CUBEBA

(Hewlett's)

Price 11/- per lb. Packed for dispensing only, in 10, 22, 40 and 90 oz. bottles.

"Experience has shown this preparation to possess the same efficacy as Santal Oil itself. It mixes clear with water, and has a taste by no means disagreeable."

The Practitioner.

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Of proved utility in Nervous Diseases, and a powerful Restorative for the Digestive Organs and Nervous System.

A Valuable Tonic Food for Children.

"It is of high nutritive value enhanced by the presence of assimilable phosphates."—*The Lancet.*

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No. 1.	1½ oz. Tin ...	9 - per doz.	
" 2.	3¼ "	" ...	14/6 "
" 3.	6½ "	" ...	24/- "
" 4.	12 "	" ...	42/- "

Introduced and prepared only by

MIST. PEPSINÆ CO. c. BISMUTHO

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Price 11/- per lb. Packed for dispensing only, in 10, 22, 40 and 90 oz. bottles.

"Obviously likely to be of much advantage in the frequent cases of irritative dyspepsia, with atony of gastric or intestinal muscular layers.

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HOOKER'S MALTED MILK

"A complete food." — *Lancet.*

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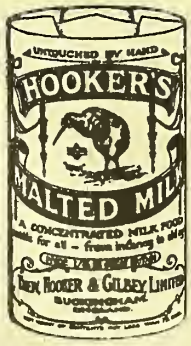

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LARGE PROFITS TO SELLERS.

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THEW, HOOKER & GILBEY, LTD., BUCKINGHAM.

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AS one of the first firms of manufacturing chemists approached by those who are endeavouring to restore face value, we at once gave the scheme enthusiastic support for the following reasons :

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ARGENTUM NUCLEINATE
1 oz. & 1 lb. bots.

ASPIRIN ACID
ACETYLSALICYLIC
SUPER P.B. QUALITY.
Free from Acetic or Salicylic Acids. Melting Point 135°.
British Make.
Bulk & Tablets

CALCIUM LACTATE B.P.
ACID MOLYBDIC
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KREMOFOS
$CaH_4(PO_4)_2$
A British Product equal to Cream Tartar 98 p.c.
Entire output up to end of August is sold, inquiries invited for Forward.

SILVER PROTEINATE
(Protargol)
P.G.V.
British Make

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ESTABLISHED 1870.
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10 CITY RD., LONDON, E.C.

Drugs and Chemicals for all Markets.
Inquiries invited from Wholesale and Manufacturing Trades.

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Stop flow of blood at once.
Retail
6d. to 1/- each.
2/6 doz.

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BROMIDES
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LORIMER'S SANATOGEN
PURE and GENUINE.
Prices now are:
2/9 size 24/- doz.
5/- „ 42/- „

NARGENTOL
Contains 24% Silver with Protein obtained from Wheat. The most important and satisfactory of all Silver Salts.
In 1 oz. & ½ oz. bottles.

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(Lanoline)
Anhydrous and Hydrous.

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(VINUM AURANTII B.P.) Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only)
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(SOLUBLE),
MANUFACTURED BY
C. W. FIELD, LTD.,
Cambrian Mills, LIVERPOOL.
Special Terms to Wholesalers and large Consumers.

SPRING'S
PACKED TABLE
HONEY
All Varieties i.e., "White Clover," "Heather," etc.
SPRING & CO., Ltd., BRIGG, LINCS.
(The Largest Collectors and Packers of Honey in Gt. Britain)
Limited Supplies Available.

1868 to 1918.

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—*Shakspere.*

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used Oil for the Hair, and Antimacassars to keep the top of the chair clean!

The present generation

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We have 5 styles available, the 'Bronze,' 'IXL,' 'PP,' 'Art,' and 'Script,' and we print name and address on orders to the value of 20/-.

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Prices are:	**4/6**	**5/3**	**5/9**	**7/6**	**8/6**	per doz.

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Wholesale Druggists **LIVERPOOL**

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NOSTROLINE TRADE MARK REGD

NASAL SPECIFIC

for Nasal Catarrh, Cold in the Head, Influenza, and Hay Fever,

and to prevent all infection of the nose and throat.

PROTECTED AT FACE VALUE 1/3

Price—1 doz. 11/9, 3 doz. 33/9, 1 gross 135/-
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CARBOLIC ACID CRYSTALS, 40° C.
DETACHED CARBOLIC CRYSTALS, 40/42°C.
(absolute Phenol)
All qualities of CRESYLIC ACID, etc.
ORTHO, META, and PARA CRESOLS, etc.
GLAUBER SALTS, B.P., and COMMERCIAL
LYSOL SUBSTITUTE "ACROSYL"

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Solyptol SOAP

A high-grade Toilet Soap of marked Antiseptic properties. Non-irritating. Agreeably perfumed. Lathers in hard water. Assists the complexion. Heals cuts & abrasions. Invaluable in the Nursery.

TOILET SOAP in 3-tablet boxes.

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Stocked by all Patent Medicine Vendors and the Principal Stores.

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OF

BEEF, MUTTON and CHICKEN

possess great nutritive and restorative powers, being immediately digested and absorbed by the stomach. Although effective stimulants in physical and mental exhaustion, they contain no wine or other deleterious admixture.

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Do You Sell
Sister Lauras Food?

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Sister Lauras Food is achieving great success as a preparation for weakly babes and for invalids and the aged.

It makes milk digestible and is invaluable in cases of malnutrition.

It is a thoroughly reliable line and one that brings a handsome return.

Price 1/- & 2/6 per tin. *Samples and advertising matter free on application*

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—Yes! Rigollot's Mustard Leaves for Plasters. The original and only genuine.

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Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

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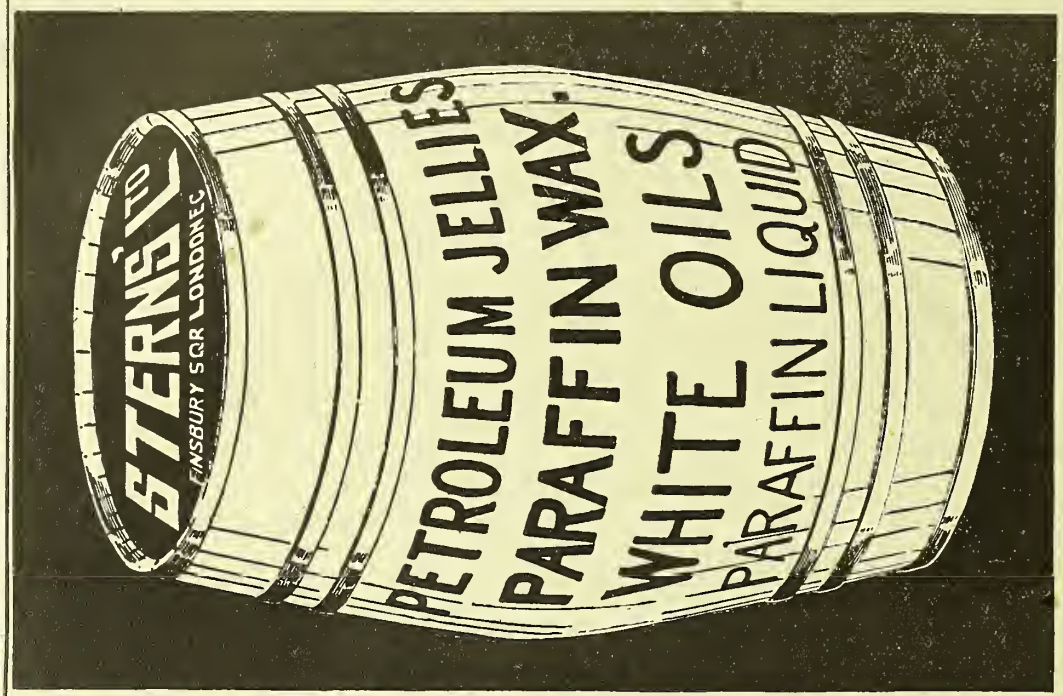

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BOURJOIS of PARIS is the POWDER HOUSE.

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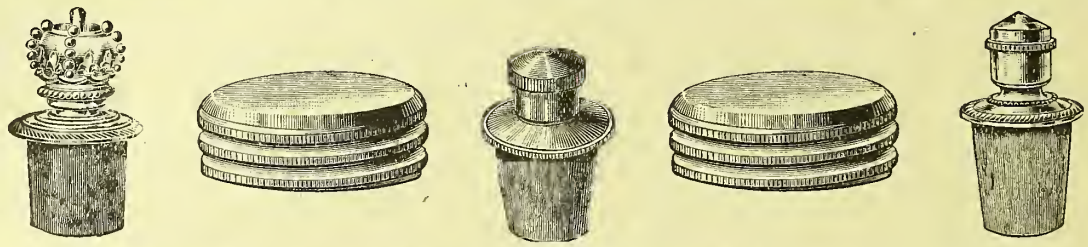

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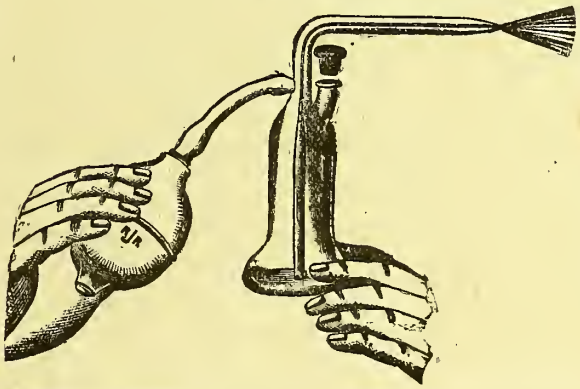
(To meet the requirements of everyday practice).



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Regd. No. 660086. Patent No. 108655.

For Light Oils
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To be used where a continuous direct spray is indicated.

26/- DOZEN.

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Messrs. D. & W. GIBBS, Ltd., regret that owing to further rise in costs of material and labour, they have been obliged to advance the price of their Shaving Sticks, hitherto selling at 4/- per dozen and retailing at 6d. per stick, to **4/9**, to retail at **7d.** P.A.T.A. terms.

Everything possible is being done to ensure delivery, but customers are asked to give as long a time as possible.

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Adequate supplies of our well-known product are available. The oil is of the usual high standard as regards Eugenol content, Perfumery value, &c.

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We have good stocks, and shall be pleased to furnish lowest quotation and sample on application.

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Our powder is of a beautifully pale colour. We are well stocked, and can quote to advantage.

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A pure powder containing a minimum of 10% of resin, and absolutely free from adulteration with any commercial substitute for true Jalap.

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We can now supply this ointment prepared with an emollient base containing no lard or other edible fat, but containing the Pharmacopœia percentage of Mercury.

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PINE & HENNA, 8/9 doz.

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In Envelopes, 7 in box, 7/6 per dozen boxes.

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ALL BRITISH
NAILSTONE

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WITH EVERY ORDER FOR 3 DOZ. HALF-DOZEN BONUS FOR DISPLAY

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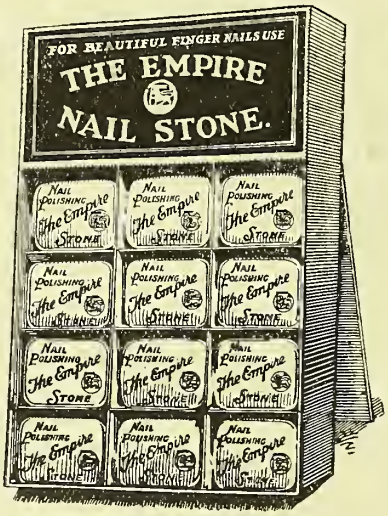

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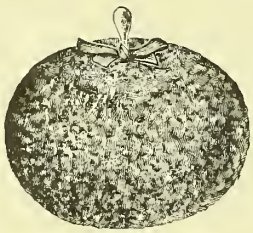

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TO-DAY, in response to the Press announcements of Edwards' Harlene, Ltd., the demand for their products is wider than ever, and no Chemist or Store can afford to be without this unique line of toilet preparations.

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CERTAIN IN RESULTS and CERTAIN IN SALES

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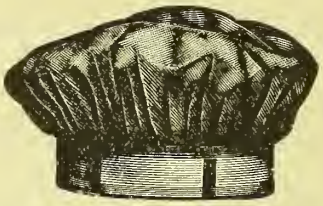

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**Losall's Salt sells so well, surely it must pay Pharmacists to stock such a big profit-bearing protected line.*

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	Box.	Doz.
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2/6	2/3	15/-	
3/6	3/3	21/-	

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Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).
Do. 6 doz. do. 8 bottles gratis.
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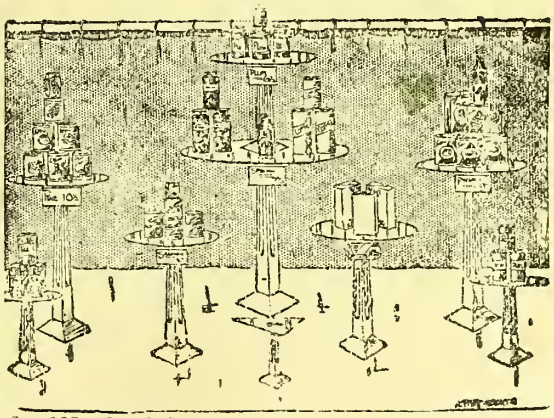

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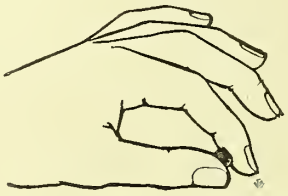

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Beauty's Complexion Mascot

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Display "'Hazeline' Snow" and attract the business

11/0 *per dozen pots, subject*

BURROUGHS WELLCOME & CO., LONDON

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Peptonised Beef Jelly.
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BENGER'S
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FOOD.

On the P.A.T.A. List.
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Peptonising Powders.
Ext. of Red Marrow.

GOLD MEDAL AWARDED, HEALTH EXHIBITION, LONDON, ADELAIDE and MELBOURNE.

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Trade Prices and Terms will be adjusted accordingly, and arrangements madewith the P.A.T.A. for Protection at the New Face Values (as above), &c.

Benger's Preparations have the unqualified recommendation of the Medical Profession throughout the world.

Of all Wholesale Houses and Shippers or from the Sole Manufacturers:

BENGER'S FOOD, LTD. —— OTTER WORKS, —— MANCHESTER, ENGLAND.

CHRISTY'S COLD CREAM

PUT UP IN THE "TWO GREEN" CARTON

PER DOZ. **4/6**

P. A. T. A. **7½d.**

QUALITY

is now, as ever, the keynote of discriminating Chemists. This Cold Cream is a superfine preparation and has always had a splendid sale. Customers who had this in the early days are still with us, because it never yet let them down. Gritless, always smooth, soothing and safe, with a perfume that is as pleasing as it is entirely it's own. It

NEVER BECOMES RANCID

and has only to be introduced *once* to a family and is ever after the "stand-by" of the household. Chemists alone sell it, and know that a first sale of the Cold Cream packed in the "*two green*" carton is a sure overture for continued custom.

MAY WE SUGGEST

that those who have not tried this line give it a test now; moreover, the profit is right, too.

A SIX DOZEN ORDER

is the usual requirement, but any order, no matter what size, will be welcomed, because we *know* that we shall have your repeats.

CHRISTY'S,
OLD SWAN LANE,
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A Weekly Journal of Pharmacy and of the Chemical and Drug Trades.
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Wills.

Dr. Robert Salusbury Trevor, M.A., M.B., 4 Courtfield Road, South Kensington, London, S.W., who died intestate on March 21, left estate of the gross value of 13,205*l.* 9*s.* 10*d.*, with net personalty 12,988*l.* 7*s.* 4*d.*

Mr. Arthur Clegg Bowdler, 20 Bank Terrace, Wellington Street, St. John's, Blackburn, formerly of Bowdler & Bickerdike, manufacturing chemists, who died on February 17, left estate of the gross value of 156,784*l.* 7*s.* 5*d.*, including personalty of the net value of 147,680*l.* 12*s.* 7*d.*

Captain Cecil Heywood Brunner, R.F.A., 10 York Place Mansions, Baker Street, London, W., of Joseph B. Brunner & Co., chemical-brokers, Exchange Street East, Liverpool, who died from wounds in France on October 25, 1917, has left estate of the gross value of 40,501*l.* 18*s.* 4*d.*, with net personalty 40,483*l.* 3*s.* 4*d.*

Mr. Thomas Tyrer, 14 Sandwell Mansions, West End Lane, Hampstead, N.W., managing director of Thomas Tyrer & Co., Ltd., chemical-manufacturers, Stirling Chemical Works, Stratford, who died on February 24, left estate of the gross value of 24,294*l.* 11*s.* 8*d.*, with net personalty 17,017*l.* 6*s.* 3*d.* The testator left to his son Charles 100*l.* and annuities ranging from 78*l.* to 104*l.* during his life, one year's wages and 26*l.* per annum to his housekeeper, Sarah Large, 50*l.* to Thomas Tucker, 50*l.* to Charles Lye if respectively in the service of Thomas Tyrer & Co., Ltd., at his death, 500*l.* to his granddaughter, Helene Tyrer, and the residue of his estate in trust for his daughter, Alice Thomas.

European War News.

Import and Export Notices.

Denmark.—It has been decided by the United States and the Allied Governments to resume the issue of licences in approved cases for the export to Denmark of the goods specified in the following schedule: Acetylsalicylic acid, amidol and substitutes, ammoniac compounds, arsenobillon, bromine, chamomile, digitalis, cucaine, ferric compounds, hydrobromic acid, kharsivan, metol, nitrate of silver, novocain, opium alkaloids, salicylic acid, salvarsan, sodium bromide, perfumery (but not essential oils), and surgical and medical appliances not containing rubber. Exporters and others who have already sent in applications for licences for the export to Denmark of any of the goods specified, and have been informed that consideration of their applications has been deferred pending a further announcement, are requested to recall the attention of the War Trade Department to their applications, and to quote in each case the reference number which has already been furnished.

United States. — With reference to the announcements in the *C. & D.* of February 23 (p. 44) and March 16 (p. 43) respecting the arrangements for regulating private purchases in the United States, intimation has been received of certain modifications which the United States Government have made in the original plan. With effect from May 15, exporters in the United States desiring to send goods to the United Kingdom on private account must first obtain the approval of the British War Mission, without which the United States War Trade Board will not issue the necessary export licences. The British War Mission will not give their approval without the authority of his Majesty's Government conveyed to the Mission through the Department of Import Restrictions of the Board of Trade. All firms desiring to place orders in the United States for import into the United Kingdom should therefore apply to the Department of Import Restrictions, 22 Carlisle Place, London, S.W. 1, on a form which will be supplied for the purpose. The Department will, if so advised, communicate direct to the British War Mission the authority to give their approval to the application for export.

Sugar (Restriction) Order, 1918.

A new Order has been issued replacing the Sugar (Restriction) Order, 1917, in which are laid down the quantities of sugar that may be used for the year ending May 31, 1919. The amount is the same as in the last Order—viz., 25 per cent. of the sugar used in 1915. The First Schedule of the Order mentions the classes of manufacture covered, these including (A) drugs and medicinal preparations, and (F) mineral-waters. The following particulars are given of the register which has to be kept by sugar users:

All persons to whom the provisions of this Order apply shall keep or cause to be kept a register correctly showing in respect of each quarter, commencing with the quarter beginning on June 1, 1918—

(*a*) The quantity of sugar held in stock at the beginning of the quarter for the purposes of all classes of manufacture to which this Order applies;

(*b*) The quantity of sugar delivered to him for such purpose during the quarter in question and the date of the delivery of such sugar;

(*c*) The quantity of sugar used for such purposes during the quarter in question, and, where more than one class of manufacture is carried on, showing the quantity of sugar used in each class of manufacture;

(*d*) The quantity of sugar held for such purposes at the close of the quarter.

Such register shall be kept in such form as may from time to time be prescribed by the Food Controller, and, until further notice, shall be kept in the form set out in the Second Schedule.

Second Schedule.

Sugar in Stock and received during period.

Date.	Suppliers.	Name.	Quantity.
Total			
Less quantity used during period			
Stock at close of period			

Sugar used during period.

Date.	Quantity used.	Analysis of consumption. A B C D E F G H K
Total		

Notes.—1. Sugar received from the Navy or Army or the Navy and Army Canteen Board should not be included in this register.
2. The letters A, B, C, etc., in the analysis column refer to the classes of manufacture set out in the First Schedule to this Order.

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Ammonia and Ammonia Products Control.

The Minister of Munitions has made an Order, to be known as the Ammonia Control Order, 1918, directing that no person shall, as from June 1, produce or manufacture any ammonia or ammoniacal product, except under a licence. No licence is to be required to manufacture (*a*) crude ammoniacal liquor or sulphate of ammonia in any quantities; (*b*) any other ammoniacal product in quantities not exceeding half a ton during any one calendar month. No person shall supply any ammonia or ammoniacal product (other than crude ammoniacal liquor or sulphate of ammonia) to any person, except under a licence, but no licence shall be required to supply not more than 56 lb. of anhydrous ammonia or 1 cwt. of ammoniacal liquor or any ammoniacal product to any person during any one calendar month. All persons engaged in producing or manufacturing ammonia or any ammoniacal product, or in any manufacture, trade, or business in which any ammonia or ammoniacal product is used, shall carry out and comply with all instructions and directions which may be issued or given by or on behalf of the Minister of Munitions with a view to avoiding loss or waste of ammonia. All applications in reference to the Order (including applications for licences) should be addressed to the Ministry of Munitions, Department of Explosives Supply, Storey's Gate, Westminster, S.W. 1, and marked "Fertiliser Section."

Personalia.

Private J. N. Morrison, East Lancashire Regiment, has been wounded on service. In civil life Private Morrison was with Joseph Crosfield & Sons, Ltd., Warrington.

Private W. Robinson, South Lancashire Regiment, has been wounded and "gassed" on service. In civil life Private Robinson was with Joseph Crosfield & Sons, Ltd., Warrington.

Private Leonard Hutchinson, R.A.M.C., has been severely wounded in France, and has lost a leg. Prior to joining the Forces he was an assistant with Mr. H. I. Gorman, Ph.C., Waterford.

Lieutenant G. E. Webster, Duke of Wellington's West Riding Regiment, who has recently been gazetted, was till enlistment a member of the clerical staff of Taylors' Drug Co., Ltd., Burley Hill, Leeds.

Corporal Bert Whitwell, Lancashire Fusiliers, is posted as missing. Prior to joining the Army Corporal Whitwell was a representative of J. Eastwood & Sons, manufacturing chemists, Market Place, Manchester.

Private Richard Shepperson was taken prisoner by Germans about March 26. Private Shepperson, who is the son of Mr. Arthur Shepperson, chemist and druggist, Kirton, Boston, is reported to be well and unwounded.

Lieutenant S. Sinclair, Royal Scots, has been severely wounded on service. Lieutenant Sinclair is the son-in-law of Mr. William Haslett, R.D., Belfast, an ex-President of the Chemists' and Druggists' Society of Ireland.

Corporal Herbert Jackson, West Yorkshire Regiment, has been awarded the Military Medal. Corporal Jackson, who in pre-war days was with Alfred Alexander & Co., bottle-manufacturers, Hunslet, Leeds, is at present in hospital in England.

Private Richard Price, K.S.L.I., reported killed in action (*C. & D.*, May 11, p. 39), is now known to be a prisoner of war. Private Price was in the employ of Boots, Ltd., at their branch at Pride Hill, Shrewsbury, the staff of which sends him material comforts.

Second-Lieutenant A. H. Hind, Machine-gun Corps, has been awarded the Military Cross. Second-Lieutenant Hind, who was recently reported wounded (*C. & D.*, May 11, p. 34), is now in hospital in London. He is a son of Mr. W. T. Hind, chemist and druggist, Clarendon Park, Leicester.

Major Arthur Frankland Hollingworth, M.C., R.F.A., son of Mr. F. W. Hollingworth, Ph.C. (Boots, Ltd., Bond Street, Leeds), has again been mentioned in a despatch from Sir Douglas Haig. This is the fourth time that Major Hollingworth's services have been similarly recognised.

Private Alexander W. Drummond, Northamptonshire Regiment, has been wounded, and is in hospital in England. Private Drummond, who served his apprenticeship with his father, Mr. R. Gordon Drummond, chemist and druggist, Falkirk, passed the Qualifying examination in 1913, and was for a time with Allen & Hanburys, Ltd., at Vere Street, London, W. He joined the R.A.M.C. on the outbreak of war, and twice volunteered for an infantry regiment before his application was granted.

Miscellaneous.

Syrup Prices Fixed.—The Government have fixed the following retail prices: 2-lb. tins and 1¾-lb. containers at 80*s.* per cwt., to be retailed at not more than 1*s.* 9*d.* and 1*s.* 8*d.* respectively. Half-puncheons at 60*s.* per cwt. in bulk, to be retailed at not more than 10*d.* per lb.

Lubricating-oils.—The Ministry of Munitions has called a meeting of representatives of the lubricating-oil trade, to be held in London on Thursday, May 30, to discuss the position of supplies of lubricating-oils. Those who desire to attend should apply to the Controller, Mineral Oil Production Department, Ministry of Munitions, 8 Northumberland Avenue, W.C. 2.

Black-listed Firms.—Among the names appearing in a list of Brazilian firms with whom persons in the United Kingdom are forbidden to trade are Leopold Cassella & Co., Rio de Janeiro, and the Industria Quimica Argentina, Rio Grando do Sul.—The Nederlandsche Verf. en Chemicalien-Fabriek, Kanaalweg 1, Delft, Netherlands, has been added to the list of enemy firms.—In a list of additions to enemy firms in Mexico is that of the Drogueira del Elephante (Vargas Sucs.), Mexico City.

Hoarding Silver Coin.—The "London Gazette," May 21, published a new Regulation (30 EE), made under the Defence of the Realm Act, which provides that after May 27 "no person shall retain current silver coins of a value exceeding that of the amount of silver coinage reasonably required by him at that time for the purposes of the personal expenditure of himself and his family and of his trade or business (if any)." Contravention of the Regulation constitutes an offence against the Regulations, and the burden of showing what amount of silver it is "reasonable" for a person to have is placed on the person charged. The Regulation also provides that any person who sells or purchases, or offers to sell or purchase, any current coin for an amount exceeding the face-value of the coin, or accepts or offers to accept any such coin in payment of a debt or otherwise for an amount exceeding its face-value, shall be guilty of an offence.

Military Tribunals' Decisions.

Since our Last Report the following decisions have been notified:

Calne.—Mr. W. J. Peacock, chemist and druggist, manager to Strawson & Co., chemists, was exempted to August 15.

Cambridge.—Mr. S. J. Parson, chemist and druggist, was exempted for three months.

Chelmsford.—The National Service Representative reported that he had conferred with the chemists of the town, as suggested at a previous sitting (*C. & D.*, April 6, p. 34), on their dispensing staffs. They went into the matter together thoroughly, but no firm had a staff which could assist another firm if anyone was taken. He had formerly applied for the withdrawal of the certificate of Mr. A. E. Karston, assistant to Mr. J. E. S. Bunn, chemist and druggist. Mr. Bunn said that without Karston he would be unable to carry on. The Chairman said what weighed with the Tribunal was that Mr. Bunn, who was qualified, had an assistant who was qualified, and did no Insurance work. Mr. Bunn said his staff was fully occupied, and that was why he did not take on the Insurance work. The N.S.R. application was granted, a month being allowed.

Folkestone.—On review, Mr. W. Cooper, assistant with Ransford & Cunningham, chemists, and Mr. J. Rogers, assistant with Mr. J. W. Stainer, Ph.C., were exempted for six months.

Lewes.—Mr. A. E. Rodgers, assistant with Mr. E. Wyborn, chemist and druggist, was exempted for six months.

Portland.—On review, the conditional exemption held by Mr. W. Flack, chemist and druggist, was withdrawn as from June 30.

Shoreditch.—Mr. T. M. Fiddes, chemist and druggist, manager to Mr. S. Briggs, chemist, Hoxton Street, was exempted for six months, with V.T.C. condition, and ordered to be medically examined.—Mr. Edward W. Lambert (Lambert, Son & Watkins, surgical-appliance manufacturers), and Mr. Albert E. Aston, stockkeeper and clerk on the staff of Allen & Hanburys, Ltd., were exempted for six months.

Warminster.—Exemption was withdrawn from Mr. W. B. Cook, assistant with Mr. F. Cook, chemist and druggist, another of whose assistants, Mr. W. A. Wait, was exempted to October 14.

West Bromwich.—A qualified assistant with Mr. C. Kemsey-Bourne, chemist and druggist, was conditionally exempted for six months.

Witney.—Mr. H. E. Pimm, assistant with Mr. W. T. Ransom, chemist and druggist, was conditionally exempted for three months.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Contracts.

The following Government contracts were notified during April:

WAR OFFICE.—*Chemicals.*—Perry & Hope, Ltd. *Chloride of Lime.*—United Alkali Co., Ltd. *Disinfectants.*—Burt, Boulton & Haywood, Ltd.; Heppell's Insectos Laboratories; Jeyes' Sanitary Compounds Co., Ltd.; Killgerm Co., Ltd.; Newton, Chambers & Co., Ltd.; McDougall Bros., Ltd.; Phœnix Sanitary Co.; Quibell Bros., Ltd.; the "Sanitas" Co., Ltd.; Vietors, Ltd.; R. Young & Co., Ltd. *Medicines.*—John Bell & Croyden, Ltd.; Burgoyne, Burbidges & Co., Ltd.; Burroughs Wellcome & Co.; W. B. Cartwright & Co., Ltd.; Lister Institute of Preventive Medicines; Menley & James, Ltd.; J. Tye & Son; Whiffen & Sons, Ltd.; C. M. & C. Woodhouse.—*Methylated Spirit.*—W. T. Alexander; J. Burrough, Ltd. *Photographic Stores.*—Bowden Brake Co., Ltd.; Houghton-Butcher Manufacturing Co., Ltd.; Kodak, Ltd.; R. W. Munro, Ltd.; North & Sons, Ltd.; W. Ottway & Co., Ltd.; Parkinson & W. & B. Cowan, Ltd.; Rockingham Engineering Co.; Ross, Courtney & Co., Ltd.; Thornton-Pickard Manufacturing Co., Ltd.; Williamson Kinematograph Co., Ltd. *Soap.*—Carr & Son; Day & Martin, Ltd.; W. Hoyle & Sons; J. Watson & Sons, Ltd. *Soda.*—Brunner, Mond & Co., Ltd. *Sterilisers.*—Arnold & Sons; Baird & Tatlock (London), Ltd. *Surgical Materials.*—A. Barton & Son, Ltd.; British Oxygen Co., Ltd.; Coxeter & Son; Davey & Co. (London), Ltd.; Down Bros., Ltd.; S. Maw, Son & Sons, Ltd.; Morris, Carswell & Co., Ltd.; Parke, Davis & Co.; Siebe, Gorman & Co., Ltd.; T. J. Smith & Nephew, Ltd.; Southall Bros. & Barclay, Ltd.; S. & J. Tuckett; Vernon & Co., Ltd. *x-Ray Apparatus.*—F. R. Butt & Co., Ltd.; Cavendish Electrical Co., Ltd.; H. W. Cox & Co., Ltd.; Medical Supply Association; Schall & Son; Watson & Sons (Electro-Medical), Ltd.

OFFICE OF WORKS.—*Candles.*—Price's Patent Candle Co., Ltd.

Guardians' Affairs.

Miss L. Holford has been appointed dispenser to the Derby Board of Guardians.

The British Drug Houses, Ltd., have notified the Southwark Board of Guardians that owing to the increased duties imposed upon sugar and spirit in the recent Budget it would be necessary to advance the prices of certain items in the contract.

Birmingham.

Saccharin pellets are advertised in an arterial road in this city at twelve for 3*d*.

Who were the three enthusiasts of the Birmingham Pharmaceutical Association who attended a meeting (called for May 24) seven days too soon?

There is just now a rush of young pharmacists to enter the medical course at Birmingham University—in intelligent anticipation, perhaps, of a post-war demand.

An enterprising pharmacist, who does a good trade in carded goods to small shopkeepers, has started round packets of pepper done up in red. They sell like hot cakes.

Liverpool.

Measles, mumps, and whooping-cough have shown a persistent prevalence in the district.

A hot-weather spell set in on the eve of Whitsuntide, and has continued since. The demand for summer drinks has been enormous.

Business was generally resumed on Tuesday. The eve of the holiday was marked by a slight falling-off in town orders, but these are again brisk.

One of the largest Liverpool stores has introduced a system of calls for orders. An order handed in can be called for two hours later, the day being divided into sections.

The note entitled "Plural Voting" which appeared in the *C. & D.* last week is the subject of much comment here, and will not be forgotten at the opening of the next session of the Liverpool Chemists' Association.

A central-area pharmacist recently received a letter from a New Yorker in these terms: "In 1910 you supplied me with some capital ointment for piles. Can you oblige me now with the address of the manufacturer of waterproof-coats whom I mentioned to you at the time, and whose invoices I have since lost?" There is apparently no limit to faith in the pharmacist.

Sheffield.

A rush is being made to secure perfumes, and fancy prices are being paid.

Strong feeling exists among chemist-opticians on the use of an indiarubber stamp by the Ophthalmic Department of the Education Committee across their prescriptions for spectacles, giving the name of a selected firm.

It is understood that all certificates of exemption at present held are to be reviewed forthwith. Older men who may be affected by the new Act will do well to bear in mind the advice in the *C. & D.*, April 27, p. 34.

Miscellaneous.

NIGHT-SHIFT WAGES.—As the outcome of a dispute between Boots, Ltd., and their Nottingham electricians as to the rate of pay for night-shift work, a conference has been arranged between the respective Associations concerned. Any recommendations or decisions arrived at are to be without prejudice to any award made in reference to the present dispute.

DOG'S INTELLIGENCE.—A clue to the fate of Florence Mary Hazell, a domestic servant employed by Mr. Henry William Herbert, chemist and druggist, High Street, Egham, was given by Mr. Herbert's dog, which was found sitting on the woman's jacket on the bank of the Thames, a considerable distance from the house. The body was subsequently recovered, and at the inquest on May 21 a verdict of "Suicide while of unsound mind" was returned.

EMPLOYÉS' THRIFT REINFORCED.—A pension scheme has been inaugurated by Boots, Ltd., to ensure an income of 2*l*. a week for every employé who attains the age of sixty. Employés are to subscribe according to age, and the balance is to be provided by the company.—Newton, Chambers & Co., Ltd., Thorncliffe, have contributed 3,290*l*. towards the year's income (5,732*l*.) of the Thorncliffe & Rockingham Permanent Relief Society (President, Mr. T. C. Newton), to which their employés belong.

PARCEL-POST.—Parcels for Bolivia may now be accepted for transmission by way of Buenos Aires and Quiaca at the following rates of postage: For a parcel not exceeding 3 lb., 2*s*. 3*d*.; 7 lb., 3*s*. 1*d*.; 11 lb., 3*s*. 11*d*. Parcels sent to Bolivia by this route must not exceed 2 ft. in length, breadth, or depth, and 4 ft. in length and girth combined. Two forms of Customs declaration are required in respect of each parcel. The resumption of the parcel-post service to South Africa is also announced.

OVERSEAS TRADE COMMITTEE. — The following have been appointed to serve as a Committee to advise the Department of Overseas Trade (Development and Intelligence) on matters relating to the activities of the Department: Sir Francis Barker, representing the Federation of British Industries; Sir Algernon F. Firth, Bt., representing the Association of Chambers of Commerce of the United Kingdom; Mr. W. H. N. Goschen; Mr. W. L. Hitchens; the Right Hon. Lord Inchcape, G.C.M.G.; Mr. Walter Leaf; Mr. Kenneth Lee; Mr. G. A. Moore; Mr. J. W. Murray; Sir George A. Riddell, Bt.; Mr. C. V. Sale; Captain Albert Smith, M.P.; Colonel Frank H. Wedgwood.

ANALYSTS' SALARIES.—Mr. A. H. Muter, F.I.C., F.C.S., public analyst to the Lambeth Borough Council, has applied for an increase of salary—now 500*l*. per annum—pointing out that since his appointment the expenses of the position have increased very much owing to the fact that he has to maintain a chemical laboratory. The Public Health Committee, which has examined the application, recommended an increase of 50*l*. per annum during the continuance of the war. The General Purposes Committee concurred in the suggestion, and submitted to the Council a return of the terms and conditions of appointment of public analysts to the various Metropolitan boroughs. The Council agreed to the recommendation without discussion.

FIRE.—A serious fire took place on May 19 at the Bethnal Green works of Allen & Hanburys, Ltd., involving the destruction of a portion of their premises. The wing of their works chiefly affected is that containing the wet and dry store-rooms and also the analytical laboratory, but the principal manufacturing departments are practically unaffected. The greater part of the manufacturing processes of the company are being carried on at the Ware works, so that the dislocation of business will not be as serious as it otherwise would have been. In the meantime the company are in a position to execute orders for their food-products and the greater number of their specialities, and steps are being taken to minimise as much as possible the temporary disorganisation of business.

SALE OF FOOD AND DRUGS ACTS.—In the Borough of Lambeth during the last quarter 110 samples of drugs (6 formal and 104 informal) were analysed, and of these, out of

3 formal and 12 informal samples of cream of tartar, 3 formal samples and 4 informal samples were certified as adulterated, one out of 6 informal samples of Epsom salts, one out of 10 informal samples of Gregory powder, 3 out of 6 informal prescriptions, and 4 out of 29 informal samples of sal volatile. The formal adulterated samples of cream of tartar contained respectively 40 parts, 74 parts, and 12 parts of lead per million. The adulterated Gregory powder was prepared with magnesium carbonate.

English-grown Belladonna.—The "Times" refers as follows to the belladonna plantations of Mr. J. Beetham Wilson, Dorking:

Belladonna, which before the war came almost exclusively from Germany, is now being cultivated at Dorking on a scale that will prevent any possibility of dearth in the future, and doctors, who partially discontinued its use, may now prescribe it as freely as they did before the war. The first of the Dorking plantations was started immediately after the war broke out, but the difficulty of obtaining the seed, and more especially the slow growth of the plant in the initial stages, prevented the drug being produced in large quantities until this year. Next year a still larger quantity will be placed on the market. Practically the whole of the plantations are on waste ground that could not possibly produce food. If the seed is sown in the open it takes four years before sufficient herb can be cut to make a paying crop.

Legal Committee Appointed.—The Lord Chancellor has appointed Lord Sumner (Chairman), Mr. Justice Atkin, Master T. Willes Chitty, Mr. Samuel Garrett (President of the Law Society), Mr. H. W. Malkin, Mr. Edward Manville, Mr. S. F. Mendl, Mr. J. S. Risley, C.B., and Mr. J. J. Wills to be a Committee to consider and report what steps, if any, are feasible and are to be recommended to facilitate the commencement and conduct of legal proceedings (including arbitrations) between parties in this country and parties abroad, and the enforcement of judgments, decrees, and awards elsewhere than in the country in which they have been made, and to provide greater uniformity and mutual improvements in the commercial law and practice relating to legal proceedings and arbitrations and the means of enforcing the decisions arrived at in the same. Mr. Lionel F. C. Darby, Goldsmith Buildings, Temple, E.C., will act as Secretary.

Factory Welfare.—The Home Secretary has made an Order (No. 368 of 1918) under the Police, Factories, etc. (Miscellaneous Provisions), Act, 1916, for the provision of first-aid appliances in factories in which chrome leather-tanning is carried on by the two-bath process. First-aid boxes or cupboards are to be provided, and

Each box or cupboard shall be distinctly marked, and if newly provided after the date of this Order shall be marked plainly with a white cross on a red ground, and shall contain, besides any other medical appliances or requisites, a supply of:

(i) Collodion and brushes.
(ii) Impermeable waterproof plaster.
(iii) Ointment, lint, bandages, and scissors.
(iv) A 2-per-cent. alcoholic solution of iodine.

Nothing except appliances or requisites for first aid shall be kept in a "First-aid" box or cupboard.

Each "First-aid" box or cupboard shall be kept stocked and in good order, and shall be placed under the charge of a responsible person, who shall always be readily available.

A notice or notices shall be affixed in every workroom stating the name of the person in charge of the box or cupboard provided in respect of that room.

A Saccharin Deal.—At the Mansion House Police Court, London, on May 17, before Alderman Sir John Knill, S. Simitch, a Serbian, carrying on business as an importer and commission-agent in Great Tower Street, E.C., was summoned for obtaining a cheque for 2,500*l.* from William Duckworth (trading as Duckworth & Co., an essential-oil and chemical manufacturer, Lime Street, London, E.C., and Manchester) by alleged false pretences. The defendant, who pleaded not guilty and reserved his defence, was committed for trial and allowed bail in 200*l.* The case for the prosecution was that in April the prosecutor agreed to purchase 200 lb. of saccharin for 3,100*l.* (at the rate of 310*s.* per lb.) from the defendant. The agreement was that Mr. Duckworth should send the defendant 2,500*l.* on account of the purchase, that Mr. Simitch should forward him the delivery order, and that the balance, 600*l.*, should be paid immediately the goods were in Mr. Duckworth's warehouse. Mr. Duckworth sent the defendant a cheque for 2,500*l.*, but the saccharin was not delivered. Mr. E. A. Vine, the prosecutor's London manager, said that on May 8 he asked the defendant about the saccharin. The defendant made a statement about being disappointed by a firm from whom he proposed to buy 200 lb. of saccharin. On being asked what he had done with the 2,500*l.* the defendant said, "I don't know. I have been a damned fool. I lost 400*l.* or 500*l.* playing cards. I cannot tell you what has become of the balance, but it is all gone."

Poisonings.—At a Cambridge inquest, held recently, on the body of May Plumb, a domestic servant employed at 69 Jesus Lane, evidence was given by Dr. G. A. Johnson that death was due to strychnine-poisoning. It was stated that Plumb's employer had bought a packet of vermin-killer from the shop of R. Sturton & Son, chemists, and had signed for it. It having been explained that ½ gr. of strychnine was a fatal dose, the foreman of the jury expressed the opinion that "the quantity of strychnine ought to have been stated, and there should have been a red mark on the packet." The Coroner, in summing up, remarked that "the sale of poison in that innocent-looking packet, with the word 'Poison' printed in small type, would have to be looked into." A verdict of "Suicide while temporarily insane" was returned.—At an inquest held at an Irish port, on May 17, on the body of William Stanley Sheriff, a seaman on board a war-vessel, medical evidence showed that death was due to heart-failure following prussic-acid poisoning. It was further stated that the cargo of the vessel, which was partially flooded, included a cyanide and a quantity of beer in bottles, and that the contents of a beer-bottle from which, it was alleged, the deceased man had drunk yielded on analysis 0.0574 gr. of prussic acid.—A verdict of "Suicide during temporary insanity" was returned at a Westminster inquest, on May 17, on the body of Mr. Harold Reade Braid, a metallurgical chemist with the Deptford Steel and Iron Works, Ltd., Old Pye Street, London, S.W., who took potassium cyanide obtained from the company's laboratory.—A London nurse named Olshinetsky died recently from drinking Lysol.

In the Courts.—Lancaster Magistrates have had before them at three recent sittings the case of Corporal Edgar John Chum, Army Veterinary Corps, stationed at a Surrey camp, who was charged with stealing sixteen vials of hypodermic tablets and 5½ oz. of potassium permanganate, value 12*s.*, the property of some person unknown. Evidence was given by Mr. Frederick Nathaniel Whitehead, Ph.C., Morecambe, that the prisoner offered him the goods in question, and mentioned the possibility of supplying quinine and lard. It was also stated that the shop of Mr. Robert Knowles, chemist and druggist, Morecambe, had been similarly visited by the prisoner; neither pharmacist, however, had had any dealing with him. Captain Ernest Augustus Phipps, A.V.C., an officer at the prisoner's camp, said that most of the camp stock of such things was made by Burroughs Wellcome & Co., Parke, Davis & Co., and Burgoyne, Burbidges & Co., Ltd. He could not identify those produced. After further evidence at the final hearing on May 21, the prisoner, who, it was stated, was previously a dispenser at Kendal and in Liverpool, was discharged.—At Rochdale Police Court, recently, Mr. William Highley, chemist and druggist, Drake Street, was fined 5*s.* on each of two summonses—one for not exhibiting a list of male employés; the other for failing to deliver a similar list to the recruiting officer. Mr. Highley explained that the form was pulled down when the shop was painted, and that he had accidentally omitted to replace it. He employed only one man, and this man was over the new military age.—At Marlborough Street Police Court, London, on May 20, Horatio Nelson Hawkins, clerk, Rosemary Road, Peckham, was remanded on a charge of stealing and receiving from a trolley in Regent Street three parcels containing 21,000 false teeth, the property of de Trey & Co., Ltd., dental manufacturers, Denman Street, W. It was stated that the value of the teeth was about 900*l.*—At Winchester, two boys were bound over for a year under the Children Act, and ordered to pay 6*s.* each, for stealing perfume, value 12*s.*, from the shop of Mr. Samuel G. Bartlett, chemist and druggist, Jewry Street.—At Bolton, last week, George Edward Bowden was summoned for false pretences in respect of the supply of preparations named "Vinco" and "Malco." The former was sold by him at 2*s.* a bottle, and described as "a good pick-me-up." Mr. Collingwood Williams, county analyst, said two bottles of the preparation contained a weak solution of iron and ammonia citrate, coloured with sugar, one bottle containing 99.1 per cent. of water, and the other 98.68 per cent. of water. As a food it was absolutely worthless, but medicinally it might have a slight tonic effect. The commercial value was under a halfpenny. Mr. Rushton, chemist, described "Malco" as coloured water. It was stated that the defendant was wanted in Liverpool and Salford, and the Bench, taking these offences into consideration, sent the man to prison for three months in each case.—At Gravesend Police Court on May 22, J. H. Thorne and B. H. Debnam, able seamen, charged on remand with attempting to convey dental rubber and valve rubber to Rotterdam (*C. & D.*, May 18, p. 35), were each fined 100*l.* The defendants owned to previous smuggling transactions, in which they had sold for 3*l.* per lb. dental rubber costing them 1*l.* 5*s.* per lb.

Irish News.

Brevities.

The tender of Hadden's Medical Hall, Wexford, was accepted for the supply of drugs for the co. Wexford Infirmary Committee, at prices subject to fluctuation.

Sir Stanley Harrington and Messrs. W. B. Harrington and James Kiloh, Ph.C., are among the members elected on the Executive Council of the Cork Employers' Federation.

The salary of Mr. D. H. Leane, Ph.C., dispenser at the Listowel Union, has been increased by 10*l.* per annum, and that of Mr. J. F. McGuire, Ph.C., compounder at the dispensary, by a similar amount.

Mr. J. P. Timmon, Ph.C., applied to the Meath County Infirmary Committee for the post of chemist at 30*l.* a year. He mentioned that this was his fourth application. The Chairman (Rev. M. Cooney) said the doctors were agreed that the present arrangements were the most satisfactory, and they recommended they be continued. They wrote out prescriptions and sent them to a chemist to be compounded. He therefore suggested that, instead of appointing a compounder, they advertise for a chemist or chemists who would provide the medicine from their own shops on the doctors' prescriptions at a percentage of profit against cost price. The doctors gave their reasons why this would be the better arrangement, one of the reasons being that under the present contract system medicine procured by them might not be needed in such quantities as they expected, and it then resulted in waste. A suggestion was made that the new arrangement would mean a radical change. The matter is to be placed on the agenda for the next meeting.

Scottish News.

Brevities.

Mr. J. S. Gibb (trading as James Whitie), ironmonger, Gorebridge, is applying for a licence to sell "sheep-dip and rat-poison."

Adam & Yates, Ltd., cork-merchants, Stirling, have removed to Glasgow, thus terminating, so far as Stirling is concerned, an industry that has been established there for more than a century.

The midday interval is gaining favour among Scottish pharmacists. Mr. J. M. Dickson, chemist and druggist, Armadale, advertises in the local Press that he closes from 1 P.M. to 2.15 P.M. daily until further notice.

It is understood that the price paid by Lord Leverhulme for the Island of Lewis was 143,000*l.*—about 47,000*l.* less than was paid by Sir James Matheson in 1843. It is stated that Sir James lost over 40,000*l.* in trying to utilise mosses in Lewis in the manufacture of paraffin and wax for candles, and that his enterprise would have succeeded but for the discovery of shale.

Edinburgh.

Mr. Thomas Stevenson, F.C.S., Ph.C., Secretary of the Edinburgh Rotary Club, has been appointed Permanent Secretary of the British Association of Rotary Clubs.

A general meeting of "chemists resident in Edinburgh and East of Scotland" is announced for May 28, to discuss and ballot on the result of the negotiations between the Executive of the British Association of Chemists (Provisional Society) and the Council of the Institute of Chemistry.

Glasgow.

The election of Mr. Guthrie at the top of the poll is a compliment both to himself and to Scottish pharmacy. Scotsmen are also heartily glad to welcome the new Councillors, Miss Buchanan and Mr. Wolff.

The "Herald," commenting on the fact that Mr. Thomas Guthrie was returned at the head of the poll in the election for the Council of the Pharmaceutical Society, states: "It now remains for the Council of the Pharmaceutical Society to pay Scottish pharmacy a still higher compliment by electing a Scotsman as President—should the present President carry out his intention to retire from office." Why not Mr. W. L. Currie for the Presidency? He has already filled the office of Vice-President.

SODIUM RESTRICTIONS IN GERMANY.—In the Hamburg district the use of metallic sodium in the manufacture of tinder-boxes and toys has been officially declared to be a "prohibited purpose."

South African News.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

AMMONIA.—Increasing difficulty has been experienced in obtaining supplies of ammonia for refrigerating-purposes. While the consumption of this article is not at present large in the Union, it is considered that there is every possibility, if animal and dairy industries continue to expand, that the demand will be much increased. A Johannesburg company is manufacturing liq. ammon. fort. (s.g. 0.880), and states that it will be in a position to supply the total wants of the Transvaal.

PROGRESS IN CHEMICAL INDUSTRY.—One of the many urgent problems which have arisen in South Africa since the outbreak of the war has been the discovery of a suitable disinfecting and oxidising agent to take the place of permanganate of potash. A well-known South African firm of chemical-manufacturers recently erected a plant for the production of chlorinated lime, the demand for which is proving so insistent that the firm in question, in order to meet the situation, has taken steps temporarily to utilise its gold-chlorination plant for the purpose, pending the erection of the special plant necessary for the production of the article on a larger scale.

Pharmaceutical Society of Cape Province.

THE annual general meeting was held at the Society's headquarters, Darling Street, Cape Town, on February 14, 1918. There were present: Mr. D. L. Petrie (President), Mr. C. F. Spruce (Secretary), and, among others, Messrs. W. Turnbull, J. Loxton, G. Smith-Houghton, W. Froembling, J. Sloan, G. S. Burton, F. C. Mathew, J. Main, E. G. Alexander, W. J. Smith, J. R. Corrigan, S. W. Hill, R. Oxenham, T. J. Hughes, and J. Sowden. The Hon. Secretary read his report for the year, showing that the membership now stands at 123, composed of eighty-five full members, thirty associate members, and eight on active service. Mr. B. Marriott became a full member during the year, having been one of the successful candidates at the last examinations of the Pharmacy Board. Two members have resigned and one is lost by death. One associate member resigned. Altogether there were twelve new members and eight new associate members enrolled during the year. The Hon. Treasurer submitted his report and balance-sheet duly audited by the Hon. Auditors, Messrs. J. R. Bridger and R. S. Cheetham, to whom the thanks of the Society are due for their willing work. The President then gave his address, detailing the events of the past year, particulars of which have appeared in the *C. & D.* from time to time. He made feeling reference to the loss sustained by the pharmaceutical world by the death of Mr. Peter MacEwan, and to the loss to Cape pharmacy in particular by the deaths of Mr. D. K. Petersen and Mr. I. Meiring (Worcester).

Dr. Froembling then read the School report, which showed that:

"During the year forty-two lectures were given, comprising chemistry, botany, and materia medica. The laboratory was open all the year round. The number of official excursions was fifty-two. Twenty-one individual students partook of one course or another, but the average attendance was only eight, as only a few could dispose of the necessary time at their own discretion. The successful candidates (five) had all more or less taken advantage of the facilities provided by our School. Four of those were returned warriors. I would like to mention here that nearly all students of military age, barring those being disqualified by physical inabilities, have been either at the Front or have done military duty in one way or another totally. I am pleased to say that number of students who have expressed their willingness to attend classes this year is to-day already nearly equal to that of last year."

The meeting next proceeded with the election of Council for the coming year. There were sixteen candidates for twelve vacancies, and the following were elected: G. R. Cleghorn, T. J. Hughes, D. L. Petrie, J. Sowden, C. F. Spruce, J. A. Corrigan, W. Froembling, H. Marshall, S. W. Hill, G. Smith-Houghton, J. Sloan, A. Ross. Messrs. Burton and Oxenham, to whom a vote of thanks was accorded, acted as scrutineers. Mr. D. L. Petrie was re-elected President; Vice-Presidents, Messrs. Cleghorn and Sowden; Hon. Secretary, Mr. C. F. Spruce; Hon. Treasurer, Mr. Stanley W. Hill.

The Benevolent Fund report was read, showing a balance in hand of 166*l.* 3*s.* 8*d.* There have been very few calls on this fund.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

WHITSUNTIDE RECESS.

The House of Commons will resume its sittings on May 28.

OZONE TREATMENT.

Mr. Macpherson, in reply to a question in the House of Commons on May 13, said that a description of the Quain ozone-producer was forwarded to the Chemical Warfare Medical Committee by the Controller of Chemical Warfare in February last. The Committee reported that they were of opinion that it would be highly injurious to employ ozone in the treatment of gassed cases.

SANATORIUM BENEFIT.

Mr. Currie, on May 15, asked the Comptroller of the Household, as representing the National Health Insurance Commissioners, when he will be able to announce particulars of more liberal financial provision for sanatorium benefit under the National Health Insurance Acts.

Sir E. Cornwall replied that he hoped to be in a position to announce at an early date the terms of a grant from the Exchequer towards meeting part of the loss occasioned by war conditions in the income available to Insurance Committees for sanatorium benefit.

MINISTRY OF HEALTH.

In the House of Commons, on May 16, Mr. Booth asked the Minister of Reconstruction whether he has completed his negotiations with the various interests who wished to press personal and other claims in connection with the proposed Ministry of Health; whether the principal posts have now been conditionally allocated; and if the way is clear for the proposals to be discussed in public so that the interests of the millions of people concerned can be safeguarded.

Dr. Addison replied that the negotiations referred to have been completed, and there was no disposition on the part of those concerned with the negotiations to suggest that personal claims entered into the important matters under consideration.

WAR ON GERMANY.

Mr. Balfour stated on May 14 that the following countries have declared war on Germany:

Russia, August 1, 1914.	United States, April 6, 1917.
France, August 3, 1914.	Cuba, April 7, 1917.
Belgium, August 3, 1914.	Panama, April 10, 1917.
Great Britain, August 4, 1914.	Greece, June 29, 1917.
Serbia, August 6, 1914.	Siam, July 22, 1917.
Montenegro, August 9, 1914.	Liberia, August 4, 1917.
Japan, August 23, 1914.	China, August 14, 1917.
Portugal, March 9, 1916.	Brazil, October 26, 1917.
Italy, August 28, 1916.	Guatemala, April 23, 1918.
Roumania, August 28, 1916.	

The following countries have broken off diplomatic relations with Germany: Bolivia, Honduras, Nicaragua, Hayti, Santo Domingo, Costa Rica, Peru, Uruguay, Ecuador.

CRIMINAL LAW AMENDMENT.

Mr. King, on May 15, asked the Prime Minister whether he is aware of the feeling among women, especially among those who expect soon to exercise the Parliamentary franchise, that there should be no further legislation on criminal law amendment lines till after the next general election; and whether, in order to respect this feeling and to save the time and energies of Parliament for more pressing affairs, he will decline to move for the Joint Select Committee on this subject to which the House of Lords invites, or whether he will defer the moving of such Committee till representatives of female opinion have been consulted.

Sir G. Cave, who replied, said the Bill recently introduced in another place deals with pressing questions arising largely from war conditions. It is desirable that these questions should receive early consideration, and that the views of those who take a special interest in them should be ascertained, and he hoped that the proposal to refer the measure to a Joint Select Committee, on which this House will be represented, is one that will commend itself to the House and to the persons interested.

RAW MATERIALS AFTER THE WAR.—In an article in the "Vossicho Zeitung" it is pointed out that the danger of Germany's being excluded from foreign supplies of raw material after the war is by no means to be taken lightly, because Germany's enemies, especially England, are in deadly earnest with this design, and for Germany to thwart it will not be so easy as some people seem to imagine.

Legal Report.

Discount on Teats.—In the City of London Court on May 16, before his Honour Judge Rentoul, K.C., an action was brought by Mr. John P. Jones, trading as the Reliance Rubber Co., 212-213 Upper Thames Street, London, E.C., against Mr. Oscar Wattenbach, rubber sundriesman, 5 Leonard Street, Finsbury, E.C., to recover 13*l.* 13*s.* 5*d.* for 100 gross of rubber teats supplied in the way of trade. Mr. Harry Strouts, plaintiff's solicitor, said that the defendant had sent a cheque for 11*l.* 11*s.* 5*d.*, deducting 2*l.* 2*s.*, which he said was due for discount. The goods were quoted net, and were not subject to a discount of 10 per cent. as suggested by the defendant, except for cash. Plaintiff said that the account was eighteen months overdue, and therefore there was no cash discount deductable. Furthermore, 10 per cent. was never quoted. Defendant said he never ordered the goods of the plaintiff at all. Plaintiff said that was easily explained. He was a partner in a manufacturing rubber business and also in the Reliance Rubber Co. At the time of the order the manufacturing company could not supply the goods. He arranged with the defendant to supply them from the Reliance Co. Defendant said that the Pearless Co., to whom he gave the order now sued on, always allowed him 10 per cent. discount and 3¾ per cent. for prompt cash. Judge Rentoul said there was no defence, and gave judgment for the plaintiff, with costs.

New Companies.

BURGUNDY POWDER AND CHEMICALS, LTD. (P.C.).—Capital 10,000*l.* Objects: To carry on the business of chemists, druggists, drysalters, oil and colour men, etc. R.O., 1 Great Winchester Street, London, E.C.

MORRIS, SONS & CO., LTD. (P.C.).—Capital 500*l.* Objects: To carry on the business of chemists, druggists, dental appliances and accessories, drysalters, oil and colour men, etc. R.O., 192 High Street, Merton, London, S.W. 19.

PAUL WALMSLEY & SON, LTD. (P.C.).—Capital 10,000*l.* Objects: To take over the business of druggists, drysalters, oil and general merchants, now carried on in Preston as "Paul Walmsley & Son." R.O., Aspwall Street, Preston.

RAPIDOL, LTD. (P.C.).—Capital 1,000*l.* Objects: To acquire the recipes for a compound known as "Rapidol," and to manufacture and deal in hair-dyes and washes and toilet-preparations, etc. R.O., 25 Conduit Street, London, W.

J. T. DOBB & SON, LTD. (P.C.).—Capital 25,000*l.* Objects: To carry on the business of paint, colour and varnish manufacturers, oil merchants and refiners, drysalters, wholesale chemists, etc., formerly carried on by T. Dobb as "J. T. Dobb & Son" at 60-62 Westbar, Hicks Lane, and Spring Street, Sheffield. R.O., 60-62 Westbar, Hicks Lane, and Spring Street, Sheffield.

FREDERICK ALLEN & SONS (POPLAR), LTD. (P.C.).—Capital 10,000*l.* Objects: To take over the business of Frederick Allen & Sons, to carry on the business of manufacturers, refiners, and producers of acids, alkalies, fats, greases, preservatives, fertilisers, laundry requisites, foods, oils, gums, tars and their derivatives, varnishes, paints, medicines, and soaps, etc. R.O., Phœnix Chemical Works, Upper North Street, Poplar.

LACTOCOL, LTD. (P.C.).—Capital 5,000*l.* Objects: To take over the business of manufacturers of "Lactocol" carried on by N. C. A. Ouwehand and W. C. Stewart at 2 and 2A Studley Road, Stockwell, S.W., and to carry on the business of manufacturers of and dealers in glue, adhesive substances, aeroplanes and parts thereof, plywood, timber, metals, fancy and other boxes, rubber oils, colonial and other produce, chemicals, drugs, etc. R.O., 31 Lombard Street, London, E.C.

BRITISH PHOTOGRAPHIC RESEARCH ASSOCIATION (word "Limited" omitted from title by licence of the Board of Trade), as a company limited by guarantee with objects as indicated by the title. Original number of members 100, each liable for 5*l.* in the event of winding up. The first Council consists of Dr. J. J. Acworth (Imperial Dry Plate Co., Ltd.; G. M. Bishop (Marion & Co., Ltd.); W. F. Butcher (W. Butcher & Sons, Ltd.); A. W. M. Dickins (Johnson & Sons, manufacturing chemists, Ltd.); A. Edwards (Austin Edwards, Ltd.); H. J. Elliott (Elliott & Sons, Ltd.); E. W. Houghton (Houghtons, Ltd.); T. Illingworth (Thos. Illingworth & Co., Ltd.); F. F. Renwick (Ilford, Ltd.); C. F. S. Rothwell (Rajar, Ltd.); and G. S. Whitfield (Paget Prize Plate Co., Ltd.). R.O., Sicilian House, Southampton Row, London, W.C.

Marriage.

Lescher—Llewellyn.—At St. James's Church, Spanish Place, London, W., on May 18, by the Rev. Cyril Martindale, S.J., very quietly, owing to the recent death of the bridegroom's father, Major Frank Graham Lescher, M.C., R.A.M.C., younger son of the late F. Harwood Lescher, 3 Prince Edward's Mansions, Palace Court, W., to Evelyn Mary Bridget, youngest daughter of Mr. Arthur Llewellyn, Seabridge, Newcastle, Staffs.

Deaths.

Cook.—The late Mr. Thos. Alex. Cook (chairman of Edward Cook & Co., Ltd., Bow, E.), whose death we announced last week, was a well-known and popular figure in the soap-trade, and many expressions of sympathy have reached the company from all parts of the country, including one from Lord Leverhulme, who writes:

Mr. Thos. Alex. Cook.

"I am still too much affected by the shock caused by the death of Mr. T. A. Cook to find words suitably to express for my son and myself our great sympathy with yourselves and all connected with the firm in this tragic disaster. We have all lost a true friend and loyal colleague—a man of exceptional power and human sympathy, and whose place can never be refilled, but which will remain a void in our hearts for all time—and we none of us would have it otherwise, for a friend departed can never be forgotten or replaced. We can only prove ourselves his colleagues by striving to carry on his ideals in life and in the business in all their highest aims and objects; and this we will endeavour to do." Since the outbreak of war Mr. Cook had been unwearying in his devotion to work both in connection with the various businesses of which he was chairman and in public work for national benefit, and as, added to this, his only son and his three brothers are with the Colours "somewhere in France," the strain upon him must have told its tale, although he rarely complained. The interment took place on May 14 at All Saints' Church, Chigwell Row, Essex, about 500 people being present. Among the mourners were Mrs. Thos. Alex. Cook (widow) and her daughter, Miss Nora Cook (the only son, Lieut. Edward Cook, is in France, and unable to attend); Mrs. Edward Rider Cook, Mr. and Mrs. Harvey Cook, Miss Dora Cook, Mr. and Mrs. Crosby Warren, Major and Mrs. E. Leonard Cook, Miss Hilda Cook, Mrs. Henry Cook, Mr. C. Bernard Cook, Messrs. E. L. W. Cook, Edward Cook, Herbert Cook, E. Miall Cook, Mr. and Mrs. Albert Scott, Miss Scott, Mr. Chas. Scott, Mrs. Ashbridge, Dr. I. R. Cook, and Mr. and Mrs. Michaelis. Mr. W. Hulme Lever represented Lord Leverhulme, and Mr. John L. Buchanan represented the directors of Lever Bros., Ltd. Edward Cook & Co., Ltd., were represented by the directors, Major Leonard Cook, Messrs. H. T. Morey Attwell, J. Barrow, E. A. Richardson, and Edward Hughes (Secretary), all members of the staff, and some hundreds of the employés.

Pedler.—In London, on May 13, suddenly, Sir Alexander Pedler, C.I.E., F.R.S., F.I.C., aged sixty-eight. Sir Alexander Pedler was a son of the late Mr. G. E. Pedler, a London pharmacist, who for many years carried on business near the Law Courts. After serving an apprenticeship in pharmacy, Mr. Alexander Pedler won the Junior Bell Scholarship in 1866, and two years later entered on a scientific career. Early in the 'seventies he took up an official appointment in India, and filled various offices in that country with distinction till his retirement in 1914. He was knighted in 1906. In 1907 he was made an honorary member of the Pharmaceutical Society of Great Britain. His death occurred with painful suddenness while he was attending a Committee-meeting at the Ministry of Munitions. He was twice married.

Price.—At 78 Harehills Terrace, Leeds, on May 13, Mr. William Dunn Price, aged eighty-one. Mr. Price was with Taylor's Drug Co., Ltd., for twenty-one years.

Died on Service.

Brown.—Lance-Corporal Charles Brown, R.A.M.C., was killed in action on April 29, aged twenty. Prior to joining the Army in August 1915 Lance-Corporal Brown had been serving his apprenticeship to Boots, Ltd., at The Broadway, Stratford, London, E.

Bush.—Private W. A. Bush, East Yorkshire Regiment, is reported killed in action on March 29. Till he joined the Forces two years ago Private Bush was with John Richardson & Co. (Leicester), Ltd., manufacturing chemists, Friar Lane, Leicester.

Campbell.—Pioneer William Campbell, R.E., was killed in action on April 12, aged twenty-four. In civil life Pioneer Campbell was an assistant with Mr. J. M. McMillan, chemist and druggist, Ayr, with whom he remained for over nine years.

Forster.—Private Herbert Forster has been killed in action. Prior to joining the Army Private Forster was with Procter, Johnson & Co., manufacturing chemists, Withy Grove, Manchester.

Holltum.—Lance-Corporal L. E. Holltum, East Kent Regiment (Buffs), has died of wounds received on service. His apprenticeship in pharmacy was served with Walker & Harris, Ltd., chemists, Canterbury.

Jackson.—Private Charles John Jackson, Machine-gun Corps, has been killed in action. In civil life Private Jackson was with Waller & Riley, Ltd., chemists, Bolton.

McBride.—Captain Andrew Best McBride, Bedfordshire Regiment, has died on service of wounds received on April 24. Captain McBride was the nephew of Mr. A. Carlisle McBride, Ph.C., Armagh.

Nicholson.—Private William Nicholson, Gloucestershire Regiment, has been killed in action. In civil life Private Nicholson was with F. W. Sutcliffe & Co. (No. 2), Ltd., chemists, West Street, Leeds.

Sage.—Rifleman Douglas Arthur Sage was killed in action in Palestine on May 2, aged twenty. Rifleman Sage had been on active service for fourteen months. He was the younger son of Mr. Edward T. Sage, chemist and druggist, Lostwithiel.

Weir.—Private Alexander James Stewart Weir, Cheshire Regiment, was killed in action on April 15, aged eighteen. Private Weir, who enlisted three years ago, was the eldest son of Mr. Alexander S. Weir, chemist and druggist, Kemnay.

Personalities.

Mr. I. R. Brown, representative of Ayrton, Saunders & Co., Ltd., has removed to 4 Scarcroft Hill, The Mount, York.

Mr. Alfred Ernest Hobbs, Ph.C., Tunbridge Wells, has been appointed Director of Ceremonies of the Holmesdale Lodge of Freemasons, of which he is a Past Master.

Miss M. E. Buchanan desires to thank all the friends who have sent kind expressions of sympathy in her bereavement. The number of letters received makes it quite impossible to answer all individually.

The Chemical Society's Medal has been conferred upon Sir James Dewar, F.R.S., in recognition of the conspicuous services which, by his research-work in both pure and applied science, he has rendered to chemical industry.

Mr. Robert Knowles, chemist and druggist, The Crescent, Morecambe, has recently completed his twenty-fifth year in business. He has been a member of the Morecambe Town Council for many years, and is superintendent of the United Methodist Sunday School. One of his sons, Mr. Arthur Knowles, chemist and druggist, is in business at Woodseats, Sheffield.

Mr. R. Woolley Walden, chemist and druggist, has been appointed a member of the Military Service Committees Panel formed by the Minister of National Service to investigate the question of military age in Government Departments. Mr. Walden was till about twelve years ago the proprietor of a pharmacy at 65 Elizabeth Street, Eaton Square, London, S.W., and has had extensive municipal experience as Mayor of the City of Westminster and as a member of several public bodies. He was also a captain in the Volunteers.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1917, p. 220.

(From "The Trade-marks Journal," April 17, 1918.)

"QUENCHOID"; for chemicals used in the treatment of steel (1). By Brayshaw Furnaces and Tools, Ltd., 2 and 4 Mulberry Street, Hulme, Manchester. 381,526.

"DERUSTA" and "DERUSTAL"; for all goods (1). By T. Howse, Ltd., Union Street, Smethwick. 381,706/7. (Associated.)

"ZYROTE"; for chemical powders (2). By A. H. Tilley, 46 Railway Terrace, Rugby. 381,617.

"EUPINAL BRAND ASTHMA REMEDY"; for medicines (3). By Cuxson, Gerrard & Co., Ltd., 4 Livery Street, Birmingham. 380,859.

"AUROTECTOR"; for ear protection devices (11). By Longmates, Ltd., 57 Weymouth Street, London, W. 1. 382,040.

"CADBURY'S SELECTED CHOCOLATES" on label device; for chocolates (42). By Cadbury Brothers, Ltd., Bournville, Birmingham. 378,878. (Associated.)

"MAPS"; for mineral-waters, etc. (44). By W. J. Allen, 15 Victoria Park, Fishponds, Bristol. 381,388.

"C.A.S.A." under picture of house: for all goods (42) and (48). By F. E. Harrison, 80 Gracechurch Street, E.C. 3. 380,926/7. (Associated.)

"AUTUMN GOLD" with landscape device; for goods (47) and for perfumery, etc. (48). By C. Thomas & Bros., Ltd., Bristol. 380,613/14. (Associated.)

"CHESHIRE HUNT"; for cloth-cleaning preparations (47) and for boot polishes, etc. (50). By John Thompson, Ltd., 58 Hanover Street, Liverpool. 382,122/3. (Associated.)

"BATHOIDS"; for bath crystals or salts (48). By A.F.A. Chemical Co., Ltd., 19 Hand Court, High Holborn, W.C. 1. 381,381.

"SAYFINI," for perfumery, etc. (48), and "FLAMMOGENE," for artificial fuel (50). By the Standard Tablet Co., Ltd., Goldstone Chemical Works, Hove. 382,179, 380,218. (Associated.)

(From "The Trade-marks Journal," April 24, 1918.)

"DIAL BRAND DIALLYLBARBITURIC ACID," for all goods (3), and "CHLORANTINE," for dyes, etc. (4). By Society of Chemical Industry in Basle, 141-227 Klybeckstrasse, Basle. 381,421, 382,158. (Associated.)

"CADBURY" and tree device in square label; for condensed English milk (42). By Cadbury Bros., Ltd., Bournville, Birmingham. 378,765. (Associated.)

"SACTAS," forming X-shaped device: for saccharin (42). By the Thames Chemical Co., Ltd., 12 Norfolk Street, Strand, W.C. 2. 381,372.

NEWMAN'S "FORTREVIVER," etc., on label, including device of pyramid with words "A pyramid of strength in every bottle ("Newman's" disclaimed): for a beverage (42). By H. N. Gilbey, 41-42 Upper Rathbone Place, London, W. 1. 381,432.

"CAROINE": for carraway-seed substitutes (42). By Needhams, Ltd., Hazelwell Lane, Stirchley, Birmingham. 381,921.

"CAVATINA": for perfumery, etc. (48). By the Critic Co., Canal Street, Rochdale. 380,735.

"REPIDOL" and "RAPIDOL"; for hair-dyes (48). By L. Mottard, 5 Marylebone Street, London, W. 1. 381,534/5. (Associated.)

"ENOLIN": for all goods (48). By A. Carreras, 207 King Street, Hammersmith, W. 6. 382,368.

"ENTRE NOUS"; for perfumery, etc. (48). By the Standard Tablet Co., Ltd., Hove. 382,432.

(From "The Trade-marks Journal," May 1, 1918.)

"KRONOS"; for chemicals (1). By Titan Co., Aktieselskab, 1 Bygdö Allé, Christiania. 381,514.

"PRIMOCON"; for chemicals (1). By Holzapfels, Ltd., Milburn House, Dean Street, Newcastle-on-Tyne. 382,066.

"TYFOL" and "MALOL"; for chemicals (2). By Tyson & Co., Ltd., 6 Blackstock Street, Liverpool. 381,846/7.

"STRAFFER"; for chemicals (2). By R. Young & Co., Ltd., 38 Elliott Street, Glasgow. 382,200.

"CONFOSAN BRAND ARSENO-BENZENE PREPARATION"; for organic arsenic salts (3). By J. G. Gordon and E. E. Gumpert, 48 Mortimer Street, W. 1. 381,578.

"CLARKSON'S 'GOLD MEDAL' EMBROCATION," etc., on label: for a medicine (3). By A. Clarkson & Co., John Street, Ryde. 381,745. (Associated.)

"HOLOKROM"; for dyes (4). By Jessie T. Watson, 287 Stonelaw Road, Burnside, Rutherglen, Glasgow. 382,198.

"D M C LIMITED" surrounded by wreath of leaves; for all goods (11). By the Dental Manufacturing Co., Ltd., Alston House, Newman Street, London, W. 1. 381,865.

"CHIRRUP": for goods (47). By Viuolia Co. Ltd., 37-38 Upper Thames Street, E.C. 4. 381,530. (Associated.)

"WARDALEEN"; for soap preparations (47). By J. Ward & Son, 9 St. Peter's Mount, Bramley, Leeds. 381,974.

"ARVON" on oblong label; for dandruff preparations (48). By R. L. Watkins Co., 1,276 West Third Street, Cleveland, U.S.A. 381,001.

Device of battle-axe and sword crossed; for perfumery, etc. (48). By G. W. Goodwin & Son, Ordsall Lane Soap Works, Manchester. 381,396.

"TARAPIN"; for all goods (48). By Holman & Edward, 83 Church Street, Liverpool. 382,211.

Alteration of Registered Trade-mark.—Leave has been given to W. J. Patey, trading as Roberts & Co., 76 New Bond Street, London, to alter the device accompanying words "ELIXIR QUINACINAS," for a medicine (3), of Trade-mark 303,357.

Trade Notes.

HOCKIN'S ASTHMA-REMEDY.—May, Roberts & Co., Ltd., 7/13 Clerkenwell Road, London, E.C. 1, announce that the price of Hockin's asthma-remedy remains at 1s.

SKIN-CREAMS.—The advertisement of the Standard Tablet Co., Ltd., Hove, refers to fifteen varieties of skin-creams for summer sales. The cartons which enclose the bottles are cameo, embossed in gold and colours.

METAL CLIPS FOR COLLAPSIBLE TUBES.—A. S. Cartwright, Ltd., West Heath Works, Northfield, Birmingham, make metal clips for collapsible tubes, a statement of the different sizes being given in their advertisement in this issue.

GENATOSAN, LTD. (British purchasers of the Sanatogen Co.), 12 Chenies Street, London, W.C. 1, have adopted the "face-value" principle in connection with Genatosan. The new prices come into force on June 1; the increased profit is to go to the retailer.

NORWEGIAN COD-LIVER OIL.—Isaac Spencer & Co. (Aberdeen), Ltd., North Esplanade West, Aberdeen, have large stocks of Norwegian cod-liver oil, which they are prepared to sell at reasonable prices. The oil is scarce, and not likely to become more plentiful during the continuance of the export restrictions from Norway. It is therefore necessary that supplies for next winter should be obtained before prices become restrictive.

AYRTON'S BATH-TABLETS.—Since we referred last week to this product of Ayrton, Saunders & Co., Ltd., Liverpool, we have had an opportunity of examining the tablets. Each tablet is about 1¼ in. square, and is packed in a carton. Twelve of the tablets are enclosed in a cardboard outer, neat labelling in lilac-coloured ink being employed. The tablets are perfumed, and when a tablet is dissolved in the water of a bath the water is softened and delicately perfumed. There should be a special demand for the tablets during the continuance of the hot weather, so that it is a good time to introduce them to the public.

A TRADE REPORT.—H. E. Stevenson & Co., manufacturing chemists, 122 Great Suffolk Street, London, S.E., send out to their export customers periodically a trade report in which are quoted many interesting items regarding drugs and chemicals. We mention the matter chiefly because we have heard from subscribers abroad that the list is much appreciated, and, judging from recent numbers which we have seen, we do not wonder at it. The opening part of the circular gives a chatty survey of affairs in general, with a large proportion of optimistic philosophy interwoven. Then follow separate paragraphs about the various drugs and chemicals, with the reasons for price-changes, increasing scarcity, or difficulties in exporting, all of which is very informative to chemists in other climes.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

85/17, No. 2 "H.A.S." alkaline pine baths
80/15, "Lobelia" toilet-rolls, marked "S. B., Ltd., B'f'd"
84/21, Chastin's naphthol tablets
82/32, "Anturio Salts," makers
85/5, "Multiblade" stropper
85/6, "Delatone" (Sheffield Pharmaceutical Co.), supplies in London
82/55, "Broom-Tea" tablets

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C. 4:

Amyloform, 65/68
Analgesic balm, 69/56
"Autexema," 65/12
Clover's inhaler, 175/13
"Clover Meal" for poultry, 13/56
Coagulen, 7/11
Dichlorhydrin, 61/41
Digipuratum, 66/56
Dinneford's fluid magnesia, 73/18
"Distol" ottos, 38/57
Glycerin substitute, 68/43
Goddard's cloth balls, 57/59
Grimault's syrup, 76/732
"Gyn," 51/52
"Halazone," 56/54 and 77/18
Kegs, wooden, 62/61
"Kelpion," 72/46
"Koko," for the hair, 61/46
La Feria powder, 75/33
Mennen's toilet-powder, London agents, 51/52
Morton's mothers' friend, 76/735
"Nujol," 51/53
Nyal's face-cream, 69/56
"Odolux," 68/60
Odontase, 64/23
"Offord" hygienic truss, 19/48
"Perla" tooth-powder, 24/39
Phenacetin (British manufacturers), 46/14
Phenoquin, 59/53
Pixoap, 61/42
"Silwyr" hair-brushes, 74/42
"Simplex" atomiser, 159/18
Sinus forceps, 224/27
Sitz bath, 185/53
Vogeler's curative compound, 16/45
Waite's local anæsthetic, 47/11

Observations and Reflections

By Xrayser II.

The Result of the Election

is again somewhat disappointing, but if we have not done all we hoped in the way of the infusion of new blood we have done more than in any recent year to advance the cause of reform. True, we have returned only the same number of new members as in each of the last two years, but to say that to Messrs. Skinner and Deakin and Messrs. Jenkin and Hines we have added Miss Buchanan and Mr. Hugo Wolff is an imperfect statement of our gains. We have sent back several old members with more open minds than they had previously given evidence of possessing, and though two new ones only have been returned, it must be remembered that four of the successful candidates were recommended by the Pharmaceutical Reform Committee. I greatly regret the exclusion of Messrs. Kirkpatrick and Ridyard, but this may be accounted for on grounds, not, it is true, entirely satisfactory, which yet in no way discredit the cause for which they stood. Mr. Kirkpatrick has suffered from being one of four Londoners, and Mr. Ridyard from the fact that his reputation is almost purely local. The remedy for such a state of things as is here indicated is territorial representation, by which every good man would be assured equal running with every other. Meanwhile we have every reason to congratulate ourselves on the return of Miss Buchanan and Mr. Wolff. The former is not only a brilliant woman but a forceful one, and her sex is a guarantee that she will make things move, for what says the poet?—"Man has his will, and woman has her way." As for Mr. Wolff, I need only say that he is —Mr. Wolff.

The President's Address

at the annual meeting dealt with too many topics to be adequately reviewed here. Beyond saying that as regards many of these the speech was little more than a combination of bluff and bunkum I confine my comments to the one subject of organisation, which, next to education and complimentary matter, occupied a larger space in it than any other. I venture to add that a weaker utterance was never heard from the Presidential chair. Mr. White has a strong prejudice against this reform, but he gave only one reason for opposing it—that it is unnecessary. Yet he has been a party to the setting-up of a "strong Committee" to give us something which he considers equivalent to it. Why, if it is unnecessary? He tells us the reason, and this time his reason is a good one. In addition to being unnecessary territorial representation has what he calls "other advantages," one of which is that it would ensure for every district the return of the best man in it. To say that this is exactly the case for territorialism would not be true, for no district would be bound to choose a local candidate if it could find a better elsewhere, but it may be the whole case for the substitute, of which Mr. White told us nothing. A little bird has, however, whispered to me that it is a scheme for dividing the country into seven areas, every one having a district Council which shall agree upon the representative for each year, each district agreeing to support all the district nominees. As at present, the central Council is to be elected in sevens at a time. There are other features in this precious scheme, but this is enough to be going on with. It is a thoroughly retrograde proposal; we should no longer have direct representation even in name; it means sheer cliquism, and I do not wonder that the Council are afraid to publish it. And, after all, says Mr. White, the whole thing is unnecessary!

Mr. White's Impartiality

in the debate on the curriculum by-laws took the form of ruling everything in his own favour, but his claim to it was no doubt quite sincerely made. Partiality implies the existence of two contending parties, and Mr. White is too much of an autocrat to recognise the existence of a party in opposition to him. "The State?" said Louis XIV. "*I* am the State." Similarly, the President carries things as if he were the Council, which in effect he frequently is. It is indeed an autocracy tempered by occasional mild criticism, but in nine cases out of ten the decision is unanimous in his favour. Possibly he is always right and his critics wrong, but since he always has his own way in the long run there seems to be no reason why he should in this case be in such a hurry. He is going, I understand, to remain in the chair for some time yet; why force this question through at such a manifestly inconvenient time? I hope the Privy Council will be enlightened on the subject when it comes before them.

The Action of Boots, Ltd,

in "suggesting" to their employés the candidates for whom they should vote is certainly unjustifiable, and if I were in their employ I should strongly resent it. It entirely justifies what I said about their paying their employés' subscriptions to the Society: it gives them a dangerously preponderating voice in the direction of pharmaceutical affairs, and may, as time goes on and their octopus-like arms embrace a larger and larger portion of the trade, very seriously affect the interests of the individual pharmacist. It is worse than the "plural voting" we are familiar with in Parliamentary elections, for that, though it diminishes the value of the franchise to the single voter, still leaves everybody free to exercise his right of choice. Messrs. Boots' action, of course, is only "suggestion," but such suggestion has often the force of dictation and is always apt to grow into it.

A Little Treatise on Efficiency Methods

which I have been studying (with but small profit, I fear) refers me at the end to Bacon's Essay "Of Dispatch" as "the kernel of the whole matter." But this Essay does not deal, except by implication, with efficiency, but with promptitude in business, which, though it may conduce to efficiency, is only one of many means to it. There are, says Bacon, "three parts of business"—the preparation, the debate or examination, and the perfection. Of these the first and last are best dealt with by few heads, the other by many, and it is to this, the most important of all from his point of view, that the Essay mainly refers. Its gist is a warning against haste in deliberation; it may be expressed in the terms of the old proverb "More haste, less speed," or in Mr. Edmund White's favourite phrase, *festina lente*. This is highly characteristic of Bacon, and of the profession he followed; we do not usually regard the Court of Chancery as a school of despatch. But though Bacon is emphatic in condemning "affected despatch," the hasty adoption even of a prepared scheme, he is equally so in the condemnation of tedious discussion, "long and curious speeches," of "prefaces, passages, and excusations, and other references to the person." Iterations, he says, are commonly loss of time, unless they are iterations of the state of the question. The things most conducive to despatch are "order and distribution and singling out of parts," but the distribution must not be too subtle, for though "he who doth not divide will never enter well into business," yet "he who divideth too much will never come out of it." I commend these thoughts to our new Councillors, with my compliments on their election.

Californian Castor Oil.—It is announced that the Federal Government is calling for the planting of 100,000 acres of castor-beans in Sacramento Valley, castor oil being the only lubricant suitable for the new Liberty motors.

Curious Advertisement. — An advertisement in the "Jackson County Star" (U.S.A.) of March 21 invites speculation. Beginning "Boschee's German Syrup will quiet your cough," it ends with "For sale in all civilised countries."

Before pathology had introduced us to "botulism," botany had gone to the same etymological source for "botuliform," which appears even earlier than 1861, the date assigned to it in the Oxford Dictionary. In 1849 a volume of Maund's "Botanic Garden" was devoted to a glossary of botanical terms compiled by J. C. Henslow, and among these appeared "botuliformis"—misprinted as "boluliformis."

BRONCHITIS, ASTHMA, COUGHS, INFLUENZA, &c.

"SANITAS-INHALANT"

Is now being advertised, and should be stocked by all Chemists.

2s. 6d. BOTTLES.

Most Effective Remedy for all Lung and Throat Affections.

The SANITAS CO., Ltd., Limehouse, LONDON, E. 14.

BRITISH ABSOLUTE ALCOHOL

Jas. Burrough Ltd. D.1. Cale Distillery, Hutton Rd., LAMBETH, S.E. 11

NOTICE TO THE TRADE

ADVANCE IN PRICE OF "PYLITNA" POWDERS.

We hereby give notice that the Retail price of "PYLITNA" Powders, Ointments and Tablets is

5/- per box.

After deducting extra sixpenny duty stamp, old stock will show, at 5/-, a retail profit of 2/7½ per box, if bought on our best co-operative terms.

Special Wholesale Terms for Co-operation.

G. S. MUMFORD & SONS, Farringdon Rd., LONDON, E.C.1.

PHARMACEUTICAL FORMULAS. (9th Ed.) 10/-, by Post 10/6

ART OF DISPENSING. (9th Ed.) 596 pages. 6/-, by Post 6/5

CHEMISTS' DICTIONARY OF SYNONYMS. 2/6, by Post 2/9.

THE CHEMIST AND DRUGGIST, 42 CANNON ST., E.C. 4.

FRENCH AND ALL FOREIGN Proprietary MEDICINES

Wilcox, Jozeau & Co.

49, HAYMARKET, LONDON, S.W.

Export and other Buyers should apply for a List.

Foreign prescriptions dispensed for Pharmacists.

KAPUTINE Headache & Neuralgia Cure.

1/3 size, containing 18 doses, 1 doz... at 12/- doz. 3 „ ...at 11/6 doz. Retailing at face values.

3/- size, containing 57 doses. 1 doz....at 33/- doz. 2 „ ...at 32/6 doz. Single Doses, 1d. each.

KOON TOE PLASTERS, 1d. Line.

Less than 1 gross ... at 9/- per gross
1 „ ... at 8/6 „
3 „ ... at 8/3 „

CARRIAGE.—Paid on 8/- value.

DISCOUNTS.—2½% for prompt cash, 30 days from date of invoice. An Additional discount of 2½% is allowed when cash accompanies order.

GENERAL KAPUTINE SYNDICATE, Ltd.
Lilley St. Laboratories, Queen's Park, MANCHESTER.

Fletchers' Concentrated Liquors,

offer a perfect alternative to the discarded B.P. Tinctures and Syrups.

FLETCHER, FLETCHER & Co., Ltd., HOLLOWAY, LONDON, N.

Editorial Articles.

Price-changes.

The stress of modern trading in abnormal times like these is apparently responsible for, among other things, a serious danger to the retail chemist in regard to his profits on staples, particularly proprietary articles. The constantly increasing scarcity and cost of raw materials and of containers has compelled manufacturers from time to time during the past three years to raise the selling price. In the case of stamped proprietaries this has been accentuated by the automatic increase in the medicine-stamp duty. Thus a proprietary issued at a pre-war net value of, say, 3*s*. 6*d*., when advanced in price to 4*s*. 6*d*., necessitates an increase in stamp-duty from 1*s*. to 2*s*. In the case of the best-known articles these advances are regularly published to the trade through advertisements in The Chemist and Druggist. In some cases, however, to which our attention has been drawn, it appears that the price-changes, although intimated to the wholesale houses, are not brought directly to the attention of the retailer. Most retail chemists just now are short-handed —generally over-worked, often worried—and unless special prominence is given to a price-change in the way we have shown retailers often do not know of these changes until the next consignment is received from their wholesale house. This means that in many instances retailers have, for months perhaps, been unconsciously selling proprietary articles at from 10 to 15 per cent. less than their present-time value. This innocent philanthropy is not only a serious loss to the retailer himself, but it is an under-selling, unintentional, of course, which in the ordinary course of things he would resent in a competitor. We have heard of cases where the pleasant relations between neighbouring chemists have been strained by the information from customers that the old price is still being charged by the chemist "over the way." Customers often put an unjust, as it is an undeserved, construction on the action of the chemist who charges the higher price. It is thus the smarter business man who suffers by closely following changes in prices. It is sometimes overlooked that the automatic increase in the price of articles in stock is a compensation against price reductions, so that if the advantages in the one case are thrown away the loss on stock, the price of which has been lowered, is absolute. A casual computation has shown that during the past few months the prices of over 900 proprietary articles have been advanced. The following is a partial

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list of articles new prices for which have been announced in The Chemist and Druggist recently:

"Allenburys" foods, milk-cocoa, Café Vierge, etc.
B.D.H. Frozen Foam.
Bateman's drops.
Benger's food.
Bishop's preparations.
Bond's Crystal Palace marking-ink.
Browne's chlorodyne.
Burgess's Lion ointment.
"Cow and Gate" foods.
Crosby's Cough Elixir.
Daisy powders.
Dennis's Carrotine.
Dentamint.
Dredge's Heal All.
Eade's pills.
Edwards's Astol, Crêmex, and Harlene.
Erasmic toilet-soap.
Ferrocal.
Fletcher's Vibrona.
Frame Food jelly.
Gibbs's shaving-soap.
Kay's linseed compound, etc.
Kutnow's powder.
Losall's salt.
Luce's eau de Cologne.
Maltine and cod-liver oil.
Mellin's foods and feeding-bottles.
Oppenheimer's Hordine, Osacol, and Pulticine.
Papier Poudré.
Pears' soap and "Golden Series" shaving-stick.
Phillips's Milk of Magnesia.
Potter's "Winged Lion" herbs and asthma-cure.
Pylitna powder.
Robinson's groats and barley.
Roboleine.
Rooke's Solar Elixir.
Rowland's Kalydor.
Sanger's "1814" eau de Cologne and lavender-water.
Savory & Moore's food, peptonised milk, etc.
Sweeting's Elixir.
Teasdale's chlorodyne.
Virol.
Wiley's Chemical Essence.
Woodward's Gripe-water.
Wright's coal-tar soap.
Zepto.

The remedy for this dropping of revenue is primarily in the hands of the manufacturers, whose duty it is to give prompt and precise information of price-changes to both wholesaler and retailer. The retailer is entitled to immediate attention in this regard, seeing that he has the direct distribution to the public, and the manufacturer who recognises that the good will of the distributor is one of the chief factors in any successful selling scheme sees that the retailer is informed about this matter. We hope that manufacturers, therefore, will in future advise us promptly of any price-changes that take place, so that we may be able to pass on the information to those immediately concerned.

Munition Chemical Contracts.

In a White Paper dealing with the Appropriation Account of the sums granted by Parliament to defray the expenses of the Ministry of Munitions for the year ended March 31, 1917, some interesting sidelights on the lack of co-ordination between various branches of the Ministry are shown. The Report is written by the Comptroller and Auditor-General of the Ministry of Munitions (Mr. H. J. Gibson), and he draws attention to many instances of mismanagement, excessive profits, and waste which have characterised the operations during the year. The following are among the many cases cited by the Comptroller:

"The Trench Warfare Department placed a contract for alcohol at 2*s.* 10*d.* per proof gallon, whilst at the same time the High Explosives Department was under contract with the same firm for the supply of similar spirit at 2*s.* 4*d.* per proof gallon. In reply to inquiry I was informed that the Trench Warfare Department did not find it practicable to contract for duty-free spirit, and continued an agreement made by the War Office for the supply of duty-paid alcohol; the Explosives Department, however, was able to obtain duty-free spirit. As a final result of negotiations arising out of my inquiry, the firm refunded half the difference in the prices, or 3*d.* per gallon, on stores delivered between October 1, 1916, and January 5, 1917—viz., 649*l.*—and arrangements were made with the distillers whereby the Department is able to purchase duty-paid alcohol at duty-free prices. In paragraph 50 of the First Report (Session 1918) of the Committee on National Expenditure, reference is made, from the point of view of excessive profit, to the case of a chemical product, the price of which was reduced from 17*l.* per ton to the cost (about 13*l.*) plus 10 per cent. profit [see *C. & D.*, March 23, p. 331]. The case had been before me because the branch of the Ministry conducting the negotiations was paying 10*l.* per ton only on *pro formâ* invoices pending settlement, while another Department was buying from the same firm at about 20*l.* per ton. I inquired whether the fact of the negotiations had been communicated to other Government Departments using this supply, and whether efforts would be made to secure that any reduction realised at arbitration should apply to all Government purchases. In reply it was stated that this latter question was being taken up, and that the whole problem of internal co-ordination was also in hand, while a Committee had recently been set up on the wider matter of inter-departmental co-ordination."

Several cases affording conclusive evidence of the earning of large profits have come under the notice of the Comptroller, and the following is of interest as illustrating the action of the Ministry in securing reduction of costs in a case where both the suppliers of raw material and the maker appear to have been obtaining excessive profits:

"The supply of a certain constituent of a chemical product was controlled through the English agents of a foreign syndicate. Before June 1915 the price was 9*d.* per oz. (less 2½ per cent. discount), but by September 1915 it had risen to 9½*d.* for Government orders. Owing, however, to strong representations from the Ministry, a reduction was eventually secured to 7*d.* per oz. in July 1916, and 6*d.* per oz. thereafter. It appears that the extra 3½*d.* per oz. (more than 50 per cent. of the finally agreed price) obtained by the syndicate on the large supplies required before the reduction in price represents an excessive profit. Further, a firm concerned in the manufacture of the product was given contracts at 14*s.* 9*d.* and 10*s.* 9*d.* per lb., based on the successive purchase prices of this constituent. The latter rate was subsequently reduced to 8*s.* 8*d.* per lb., as the result of the reduction to 6*d.* per oz., and the Ministry took the occasion to examine the firm's costs. It transpired that the firm had been making a profit of about 20 per cent. Subsequently the price was reduced to 7*s.* 10*d.* per lb. for a period of two months, after which the Ministry undertook to supply the raw material and pay the firm a price for conversion only."

Several instances of costly experiments and unprofitable enterprises are recorded, among them being the following:

"In the early part of 1915, owing to the shortage of toluol, the High Explosives Department authorised negotiations for testing on a commercial scale a process of extracting toluol from heavy distillate. The actual agreement entered into by the experts, to whom the arrangements were entrusted, went considerably beyond the authority originally given by the Department, but was accepted. It provided for a lease of the special plant at a rent of 3,000*l.* a month for the period of the war and two months afterwards, while the plant was to be restored to its original condition at the end of the war, and the company was to be indemnified against head rents, etc., and all its current contracts. Considerable difficulties arose in adapting and working the plant. The first figure of cost produced in November 1915 was 2*l.* 7*s.* 6*d.* per gallon, as against an original estimate of 5*s.*; the Department was purchasing toluol at 3*s.* 4½*d.* per gallon, and the most favourable revised estimate for this process was 1*l.* 6*s.* per gallon. But the guarantee of efficiency contained in the contract was very vague, and the agreement could not be determined on that score. In these circumstances it was decided, in March 1916, to shut down the plant, and as the result of negotiations a sum of 20,000*l.* was agreed to be paid in full settlement, together with the handing over of certain material and plant to the value of 8,000*l.*, which the Ministry had purchased. The total cost of this unprofitable enterprise appears to have amounted to about 57,000*l.*"

Among the costly experiments entered into was an agreement with a certain chemical company (the share capital of which was only 10,700*l.*) for the production of synthetic phenol, which ended in financial disaster. It appears that

"The process was practically new in this country, and the manager and sub-manager claimed to be experts in it. The Ministry undertook to pay (1) the cost of the plant, which eventually amounted to 96,000*l.*, and at the termination of the agreement was to become the property of the company; (2) a fixed price for the output to be reconsidered after 50,000*l.* had been paid; (3) a further 1,000*l.* to the manager and sub-manager. These terms are admitted to have been very favourable to the company, but were presumably regarded as justified by the urgent need for the materials and the prospect of obtaining them rapidly under the management of the company. This prospect, however, proved to be based on a complete miscalculation. Difficulties in working arose very shortly, both in regard to management and output, with the result that the Ministry took

over the factory under the Defence of the Realm Act and purported to terminate the agreement. The power of the Ministry to terminate, however, was contested by the company, and it was eventually arranged that the Ministry should purchase all the shares of the company at a premium of 30 per cent. and take over the liabilities, amounting to 5,000*l.*, the Ministry retaining the plant, but releasing the interest of the company in certain chemical-works which had no value to the Department. The cost involved in escaping from this unfortunate contract amounted to 18,900*l.*, apart from the value of the interest in the chemical-works."

Another ghastly failure was the agreement made with a number of distilleries to take over their plant and adapt it for making acetone. After a large sum (the figure not mentioned) had been expended on the scheme, it was decided to abandon it. Only two distilleries actually reached the production stage, the cost of the acetone being very high, and a very heavy expenditure had to be incurred on reconverting the plant to its original use. The exact cost of this experiment has not yet been ascertained, and perhaps it never will be.

Overseas Trade in April.

A Remarkable Expansion is shown in the value of our imports during April, the increase compared with the corresponding month of 1917 being 35,300,667*l.*, our receipts amounting to 119,833,433*l.* Compared with the previous month of March, this year, the increase on this side of the account was 12,589,000*l.*; practically the whole of this is under the head of foodstuffs. The exports for the month (40,071,466*l.*) and the re-exports (2,140,847*l.*) showed an increase together of a little over three millions sterling on the March figures, but a falling-off of about two millions sterling as compared with April of last year. Imports of oilseeds, nuts, oils, fats, and gums (particulars of which have been suppressed) amounted to 7,577,344*l.*, or 2,474,621*l.* more than in April last year, while there was also an expansion of 935,469*l.* in imports of chemicals and the like, our purchases being valued at 2,941,778*l.* Receipts of brimstone were much larger—126,240 cwt. against 430 cwt.; cream of tartar, 5,591 cwt. against 3,974 cwt.; boron compounds, 35,120 cwt. against 9,859 cwt. Unenumerated chemicals expanded from 349,333*l.* to 1,221,531*l.*, the greatly increased figures being probably due to Government purchases. Our exports of chemicals and the like were 211,281*l.* better than in April last year, but 303,500*l.* less than two years ago, the shipments amounting to 1,730,344*l.* Medicine exports were practically the same: 263,471*l.* against 266,932*l.* Soda compounds were slightly less, at 327,804 cwt., but sulphate of copper was 3,479 tons better, at 5,295 tons; the four completed months of this year show exports of 20,313 tons against 12,916 tons, which is a bright spot in the chemical returns.

Repayment of Spirit-duty.

In view of the high rate of duty on spirits now in force it is satisfactory to see that the Board of Customs and Excise has lost no time in promulgating the regulations which give effect to the provisions of the Finance Bill now before Parliament allowing repayment of the duty on spirits used in the manufacture of medical preparations. Persons intending to claim such repayment are required to prepare without delay and hand to the local officer of Customs and Excise an account of the spirits, if any, on which the old rate of duty was paid, showing (*a*) the quantity on hand on April 22, 1918, and (*b*) the quantity received since that date. They must keep separate stock accounts showing the quantities received at each rate of duty, and how these were disposed of. In the case of spirits received at the new rate of duty, the stock account is to be kept in accordance with a sample form given on a notice which is being officially served on manufacturers. Stock accounts for all spirits are required to be balanced at the close of each month, and facilities must be given to the local officer of Customs and Excise to examine the records kept of spirits received and used, and to check the quantity of spirits in stock at any time. Where the applicant for repayment has not taken the spirits out of bond himself, he must produce a declaration from the vendor of the spirits to him stating that the duty at the appropriate rate, which must be specified, has been paid. Such declaration might be most conveniently given on the certificate. Where spirits are recovered by distillation or otherwise, a separate account should be kept of them, showing how they were disposed of. Applications for repayment ought to be made monthly soon after the stocktaking, and separate official forms of claim should be sent for (*a*) the additional duty on immature spirits only; (*b*) the additional duty on immature spirits and the increased spirit-duty; and (*c*) the increased spirit-duty (in respect of spirits not less than three years old).

The Qualifying Examination.

By D. B. Dott, Ph.C.

When it is found that the number of failures exceeds 50 per cent. in a Qualifying examination which for every reason the candidates must be earnestly anxious to pass, there must be something seriously wrong either with the standard of the examination or the education of the students. As is well known, the failures in the Minor examination have sometimes exceeded 60 per cent. This deplorable result is officially attributed to defective education, and a curriculum is the approved remedy. But is insufficient or inefficient education the sole source of the trouble? Is there not something in the requirements and methods of the examinations which tends to multiply the failures? I think there is. When it was first decided to introduce professorial examiners I ventured to remark that the professors would need to bear in mind that they were not examining for the science degree, but were only ascertaining whether the individual could pass as a chemist and druggist. The then President, who controlled the educational and all the policy of the Society, warmly repudiated my remark, and said: "The chemist and druggist should be *the* chemist in fact as he is in law. The examiners will be fully justified in setting a high standard, especially in chemistry." There was a good deal of other talk of a similar tendency. One of the examiners was rebuked for being too lenient. "If you don't give an occasional nought the crammers will have it all their own way." It would probably not be unfair to say that a "plucking policy" was inaugurated. As part of this policy a new system of marks was introduced. Examinees were to be classified as "good," "fair," "weak," or "failed," which is quite plausible. But these were expressed numerically as 3, 2, 1, 0, and an average of 2 was required to obtain a pass. It would be impossible to illustrate fully the defects of the system without giving actual examples, which is scarcely permissible, but obviously a candidate would be much less likely to get a "3" than he would considerably over 50 per cent. in a percentage system, assuming 50 per cent. to be the pass number. In practice the system worked out to the disadvantage of the examinee, and was intended to do so. The question of whether some examiners are not over-exacting in their requirements is a delicate one, and open to difference of opinion. It was sometimes forgotten that the object was to discover the general knowledge and capability of the candidate; not to find whether some exceptional mixture would make him stumble or some unusual problem would cause him to trip. I remember an examiner who suddenly sprang all the unlikely insoluble substances on the bewildered students. Like a new poison-gas, it was at first successful in killing the men, but by next examination the teachers and tutors had taken measures to counter it. The above remarks have reference to the recent past, not to the actual present, but a bad tradition once established is not readily got rid of. The Minor examination is intended to be a test of the fitness of persons to follow the calling of a pharmacist, a fact which has not always been kept in mind. The Major may quite properly involve a fairly high standard of scientific attainment.

Coming Events.

Tuesday, May 28.

South-West London Chemists' Association, Stanley's Restaurant, Lavender Hill, London, S.W., at 8.45 p.m. Discussion of "Present-day Business Problems" and "A Forty-eight Hour Week for Assistants."

Wednesday, May 29.

Royal Society of Arts, John Street, Adelphi, London, W.C. 2, at 4.30 p.m. Dr. Martin O. Forster, F.R.S., on "Organic Chemistry in Relation to Industry."

Pharmaceutical Society of Ireland.

Council-meeting.

The monthly meeting of the Council was held at 67 Lower Mount Street, Dublin, on May 14, the President, Mr. James Michie, in the chair. The following members of the Council were also present: Dr. J. A. Walsh, Dr. A. J. Barnes, Messrs. Geo. D. Beggs, J.P. (Hon. Treasurer), W. F. Wells, James Tate, A. Owen Wells, William Hanna, J.P., Thomas N. Moffitt, Wm. J. Hardy, G. A. McLean Lee, John Smith, D. M. Watson, and Victor E. Hanna.

Mr. J. E. Connor, J.P. (the Vice-President), wrote regretting his inability to attend.

Sir Wm. J. Baxter, J.P., D.L., Coleraine, wrote thanking the Council for their sympathy on the death of his brother. The letter disclosed the fact that Sir William has had a severe illness.

Lords Justices' Decisions.

The Registrar read a communication from the Assistant Under-Secretary, Dublin Castle, on the subject of memorials praying for the remission of fines imposed at Kilkenny Petty Sessions on February 26 last, and stating that on a full consideration of all the circumstances of the case the Lords Justices had been pleased to rule as set forth in an accompanying schedule. It appeared from the schedule that the decisions of the Lords Justices were as follows: In the case of Philip Clohosey, who was fined 5*l.* for keeping open shop for sale of poisons, the law was allowed to take its course. The same decision was arrived at in the cases of Mrs. Bridget Clohosey, who was fined 5*l.* for selling poison, and of Philip Clohosey, who was fined 2*s.* 6*d.* for not entering name in poisons-book. The fine of 5*l.* imposed on John Lowery for keeping open shop was reduced to 2*l.*, and the fine of 2*s.* 6*d.* imposed on the same defendant for not entering was allowed to stand. In the case of Kate Sherin, who was fined 5*l.* on each of two summonses for keeping open shop, one of the fines was reduced to 2*l.* and the second was remitted, and two fines of 2*s.* 6*d.* each imposed on the same defendant for not entering were allowed to stand. The fine of 5*l.* imposed on J. Prendergast, shop-assistant, for selling was reduced to 10*s.* A fine of 5*l.* imposed on Patrick Dowling, shop-assistant, for selling was also reduced to 10*s.* The fine of 5*l.* imposed on Michael Potter for keeping open shop was allowed to stand, as was also a fine of 2*s.* 6*d.* imposed on the same defendant for not entering. A fine of 5*l.* imposed on Patrick O'Neill, shop-assistant, for selling was reduced to 10*s.* A fine of 5*l.* imposed on John O'Leary, shop-assistant, for selling was also reduced to 10*s.* Two fines of 5*l.* each imposed on R. H. Smethwick for keeping open shop were allowed to stand, as was also a fine of 2*s.* 6*d.* imposed on the same defendant for selling. It was stated that the result of the action of the Lords Justices was to reduce the total of the fines imposed by the Magistrates from 60*l.* to 31*l.* (see *C. & D.*, March 9, p. 37).

The President said the result was not much of an encouragement to the Society.

The Preliminary Examination.

The Registrar submitted a communication from the Privy Council Office transmitting copies of an Order in Council amending the Regulation as to the acceptance of the Preliminary examinations with a view to registration, in accordance with a resolution passed by the Council of the Pharmaceutical Society.

Application for Recognition.

Mr. James Cemerton, B.A., Principal and Organising Secretary of the Municipal Technical Institute, Limerick, applied for the recognition of the courses in chemistry conducted at this Institute for the Pharmaceutical examination. Particulars of the equipment and staff were given in the letter. A letter was also received from Messrs. P. Liston, M. B. Widdess, J. J. MacMahon, and J. Stewart, stating that the local branch of the Dublin Provincial Retail Drug Association supported the application.

It was decided to accept the Institute's course in theoretical chemistry, and to ask for particulars in reference to the course in practical chemistry.

Results of Prosecutions.

The Registrar submitted letters from A. & J. Robinson, solicitors, reporting the results of the prosecution of Mr. William Charles Speares and Mr. W. P. Kennedy, Ph.C. (*C. & D.*, April 27, p. 36, and May 11, p. 37).

The Registrar was directed to write to the Inspector-General, Royal Irish Constabulary, recommending an award to Sergeant Canway, R.I.C., because of his action in connection with Mr. Kennedy's prosecution.

Preliminary Registration.

Mr. S. V. J. Carney, who submitted a certificate from the Royal College of Physicians and the Royal College of Surgeons, was admitted to Preliminary registration.

Deaths.

The Registrar submitted a communication from Mr. L. H. Grubb, M.P.S.I., notifying the death of his brother, Mr. Herbert Ivon Grubb, Ph.C., late of Clonmel.

A certificate of the death of Mr. Thomas Richard Lester, M.P.S.I., late of Cork, was also submitted.

The Licence Examination.

On the motion of Mr. Victor E. Hanna, seconded by Dr. Barnes, the following resolution was passed unanimously:

That the hour at which the Licence examination begins on the first day be changed from 11 A.M. to 10 A.M. as at present obtains, and that the change be notified in Calendar.

Changes of Address.

Communications were received from the following notifying changes of address:

Mr. John Michael O'Sullivan, Ph.C., to Stack's Medical Hall, Listowel, co. Kerry; Mr. H. E. Grimshaw, Ph.C., to the Wynberg Pharmacy, Main Road, Wynberg; and Mr. Herbert Mackey, Ph.C., from Ennis to the National Children's Hospital, Harcourt Street, Dublin.

Reports from Examiners.

Reports were received from the Examiners, from which it appeared that thirty-three candidates presented themselves for the Preliminary examination, of whom fifteen passed; that eleven candidates presented themselves for the Registered Druggist examination, of whom six passed; that seven candidates presented themselves for the Pharmaceutical Assistant examination, and that four passed; and that thirty-eight candidates presented themselves for the Pharmaceutical Licence examination, of whom twenty-two passed, ten with honours.

Dr. Barnes said it would be instructive to know how many of these candidates obtained honours at the first attempt at the examination. He would like to know the feeling of the Council on a suggestion that honours should only be awarded to a candidate who obtained honours marks at the first trial. To his mind there was no particular merit in a student obtaining honours marks after his first attempt at the examination.

Mr. Watson said the honours marks went mainly to the students who presented themselves for the examination for the first time. The experience was that the best candidates are those who passed the first time.

The President said Dr. Barnes's suggestion would apply even with greater force to the awarding of the medals.

Military Service.

Several letters with reference to Army service were received from pharmaceutical chemists of military age. The matter was discussed, and was referred to a Committee of the whole Council.

Sealing of Pharmaceutical Licences.

On the motion of Mr. Victor E. Hanna, seconded by Mr. G. D. Beggs, the Pharmaceutical licences of the following were directed to be sealed:

W. D. Brodrick, C. L. Brodrick, Mary W. Corry, J. F. Courtney, Mary Cummins, P. Daly, J. Dargan, J. E. Devitt, R. Farrell, S. H. Forrest, J. M. Huban, E. Kelly, Margaret Kingston, H. McEver, T. McGurk, T. Neligan, J. A. Patton, W. J. Pedlow, P. R. W. Shinner, J. M. Wadsworth, J. M. Whelan, and J. C. Young.

Business Changes.

Mr. W. T. Sprigings, Ph.C., has purchased, through the agency of Mr. Parkin S. Booth, the business of Mr. John Ellis, 293 Wallasey Village, Wallasey.

Morrell & Howells, chemists, Kew, have purchased the business of Mr. J. Bletsoe, Hill Street, Richmond, which he has relinquished in consequence of continued ill-health.

Brunner, Mond & Co., Ltd., Northwich, announce that their London address is until further notice 82 Victoria Street, S.W. 1, the Government having temporarily requisitioned their offices at Caxton House, S.W. 1.

It is stated in the Swedish Press that the authorities in Washington have released 100 tons of medicines for export to Sweden.

Chemists' Dental Society.

The Annual Meeting of the Chemists' Dental Society was held at the Holborn Restaurant, London, W.C., on May 15, the President (Mr. J. Hearle) in the chair. There were also present Messrs. E. Brownbill (Leeds), S. Davis (Chesham), R. Grantham (York), J. S. Hart (Bolton), J. Rayner (Uxbridge), A. J. Rutherford (Newbiggin-on-Sea), G. R. Patterson (Ashington), E. Drayton (Ealing), J. Y. Fairweather (Sydenham), S. V. Brook (Lavender Hill), F. R. Sutcliffe (Buxton), J. H. A. Tasker (Fulham), J. W. Roberts (Tavistock Place), and Benson Harries (Newport), Hon. Secretary. The report of the Council, which was adopted, dealt fully with the work of the year. In regard to the Dentists Act Committee the report stated that an Emergency Committee of the Society was appointed to take action. The report continues:

The Secretary communicated with the Departmental Committee, making known our aims and existence, and offering to put our claims before them, which in due course was done. The preliminary work was very considerable. Several meetings of the Executive Emergency Committee were held, and conferences took place with kindred Societies of unregistered dental practitioners, with a view to securing such unity of action as might be possible, these being consulted both singly and in conference. The Secretary also advised with our Parliamentary representative and other members of the House of Commons, and also got into touch with and secured the sympathy of an influential member of the Government in the House of Lords. In fact, everything possible was done to ascertain that we rightly understood the position of affairs and were in a position to go to work in the best possible way. Our case was then clearly and carefully stated in the memorandum and supplementary memorandum laid before the Departmental Committee. These documents were prepared by the Secretary in collaboration with our legal adviser (who gave a great deal of time to the work), and then circulated to the Emergency Committee for approval. They were then finally reviewed and passed by a special meeting of the Council. They had also been privately shown to experts of wide repute interested in our case, and were everywhere considered satisfactory. In view of the pains which were taken to perfect our memoranda, it was pleasing to hear the Chairman of the Departmental Committee say that he had read the memoranda, which made the position so clear to the Committee that they did not think it necessary to go over the ground again in cross-examination. We think it may be added that every point stated in the memoranda was fully substantiated. In order that we might be sure of this, our members were circularised and requested to give information of a confidential character relative to their dental practice. Best thanks are due to those who responded so promptly and well. . . . The tabulation and summarising of the information received occupied very much time, but it was felt to be of great importance that our case should be as complete and substantial as we could make it. The Emergency Committee decided that Mr. Benson Harries (Hon. General Secretary) should be appointed to give evidence before the Departmental Committee when a witness was called for, and requested the Society's Solicitor to accompany him and render such assistance as might be permitted. In January last Mr. Harries was summoned to the Committee, and gave evidence accordingly. He wishes gratefully to record his appreciation of the great courtesy which was extended to him by the Committee in every way, and particularly by Mr. F. Acland, M.P., the Chairman, and Mr. F. H. O. Jerram, the Secretary. There the matter must remain at present. The recommendations of the Committee are awaited with eagerness, no doubt, by every branch of the dental profession, and we are told that we must be prepared to accept them when they are made known. We can only say that, confident of the rightness and reasonableness of our claims, we expect the findings of the Committee with equanimity.

The Hon. Secretary and Hon. Solicitor were given a vote of thanks for the special services rendered in this matter.

Twenty-six members were elected. Some revision of the rules then took place, the most important being the requirement for new members that they shall have had at least five years' experience in dentistry before being eligible for membership. The period was three years in the original rules.

The Treasurer's report was adopted, and the members of the Council were re-elected, with the addition of Messrs. Grantham and Sutcliffe. The closing of the Holborn Restaurant at 10 P.M. necessitated an adjournment to the Progressive Pharmacy Club, where the business was concluded, this including an account by Mr. Benson Harries of the proceedings of the Departmental Committee.

Deed of Arrangement.

Thorne, Henry Saville, 5 Finkle Street, Selby, described as a pharmacist.—Trustee, P. S. Booth, 2 Bixteth Street, Liverpool, accountant. Dated May 7; filed May 14. Liabilities unsecured, 198*l.*; estimated net assets, 600*l.* Among the creditors are: Kodak, Ltd., 11*l.*; D. & W. Gibbs, Ltd., 11*l.*; T. F. Bristow & Co., Ltd., 3*l.*; Goodall, Backhouse & Co., 9*l.*; Ayrton, Saunders & Co., Ltd., 99*l.*; John Quilliam, Ltd., 33*l.*; and Raines & Co., York, 15*l.*

Association Affairs.

Harrogate.—The annual general meeting of the Harrogate and District Pharmaceutical Association was held at the Salisbury Hotel on May 9, the President (Mr. J. W. Harper) in the chair. The Secretary's and Treasurer's reports were presented and adopted. A vote of thanks was passed to the Editors of the trade journals for the reports given to the proceedings of the Association, especially in these trying times of paper restrictions and labour scarcity. The following officers were elected for the session 1918-19: *President*, Mr. J. W. Harper; *Vice-President*, Mr. H. F. Illingworth; *Treasurer*, Mr. W. Simpson; *Trade Secretary*, Mr. P. L. Ridge; *Hon. Secretary*, Mr. A. Mortimer; *Auditor*, Mr. C. B. Southwell; *Committee*, Messrs. Windemer, Wood, Fenn, and Atkinson. The question of manpower was fully explained by the President and Secretary, and strong pressure was brought to bear on the members to take a much more active part in the public life of the town and district.

Hull.—The Hull Pharmacists' Association met at the Grosvenor Hotel on May 14, Mr. L. S. Sellé presiding. A letter was read from the Face Values Committee, and, on the motion of Mr. Walton, seconded by Mr. Chapman, it was resolved to support the action of that body and to levy 1*s.* per member as a contribution to its expenses. A debate on *Should the Medical Services be Nationalised?* was then initiated by Mr. V. H. Iddon (affirmative), who was opposed by Mr. A. S. Snowden (negative). Messrs. Jones, Walton, Chapman, Richardson, Newton, and Waldon joined in the discussion, which resulted in a unanimous vote in favour of the negative.

National Association of Opticians. At a meeting of the Executive Committee, held in Manchester on May 15, Mr. D. R. Jones in the chair, six members were elected. The four retiring members of Council this year—Messrs. H. W. Daykin, B. Fowler, R. E. Heppell, and L. Moreton Parry—are eligible for re-election, and have expressed their willingness to be nominated for a further period of three years. The date of the next annual general meeting has been provisionally fixed for July 24, to be held at Manchester. Nominations for the Council should be sent before June 10 to the Hon. Secretary, Mr. A. Hershberg, 77 Cheetham Hill Road, Manchester.

Torquay.—The annual meeting of the Torquay Pharmacists' Association was held on May 16, when the officers were re-elected as follows: *President*, Mr. Taylor, J.P.; *Vice-President*, Mr. Evans (Bovey Tracey); *Treasurer*, Mr. Cutmore (St. Marychurch); *Secretary*, Mr. Dunsford; *Auditor*, Mr. Ventham; *Committee*, Messrs. Swaffin, March, and Burgoyne.

Gazette.

Partnerships Dissolved.

Jones, H. G., and Jeffs, F. J., 119 East Road, West Ham, ethyl-chloride manufacturers, under the style of The Portway Drug Works.

Keene, I. A., and Keene, A. A., 335 Broadway, New York, manufacturers of or dealers in corn-cure, Razorine, and chemicals, under the style of Keene Co., Ltd., and Razorine Manufacturing Co., Ltd., and at 50 Gray's Inn Road, London, and 11 Rue Condorcet, Paris, under the style of Keene Co. and Razorine Manufacturing Co.

Nash, S. S., and Bythway, A. (formerly A. Rohde), 44 Lloyd Street, Manchester, chemical merchants and importers, under the style of J. T. & H. Bythway.

Scott, R. B., and Worthington, J. P., 6 Market Street, Wigan, chemists, under the style of Scott & Worthington.

Walker, J., and Darling, J. M., 51-53 Hudson Street, and 234 Stanhope Road, Tyne Dock, 1 Chichester Corner and 138 Laygate, South Shields, chemists, under the style of Walker & Darling.

Westmacott, G. H., and Westmacott, G. L., 17 Market Street, and 77 Cannel Street, Ancoats, Manchester, chemists and druggists and soda-water manufacturers, under the style of Westmacott & Son.

German Spirit-monopoly.—The German Government propose to make an Imperial monopoly of spirit, yielding in general 800m. per hectolitre of alcohol produced. The "Frankfurter Zeitung" complains that the proposed monopoly is designed wholly in the interests of the great potato-growers, who dominate the Spirit Trust.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Blackburn.—The result of pricing chemists' accounts for January shows 11,969 scripts, valued at 385*l.* 3*s.* 10*d.*; average cost per script, 7.72*d.*

Bury (Lancs).—The prescriptions dispensed during 1917 numbered 47,565, their value being 1,116*l.* 6*s.* 2*d.* (ingredients 535*l.* 16*s.* 7*d.*, dispensing-fees 580*l.* 9*s.* 7*d.*); the average ingredient-price per prescription was 2.70*d.*, and the average dispensing fee 2.93*d.*; the total cost per insured person being 12.18*d.*, and frequency per insured person 2.16.

Lancashire.—Upon a request from the Preston Panel Committee the Lancashire Prescription Bureau has agreed to scrutinise the Preston prescriptions for 1917. The Bureau has been informed by the Burnley Committee of its adoption of the Lancashire Formulary. At a meeting of the Bureau at Bury last week, a statistical return relating to 1917 was submitted, showing that in the areas of Barrow, Blackburn, Blackpool, Bolton, Burnley, Bury, Oldham, Preston, Rochdale, and Westmorland, the prescriptions priced numbered 994,643; the ingredient-prices were 13,742*l.* 1*s.* 7*d.*; dispensing-fees, 11,854*l.* 4*s.* 1*d.*; average ingredient-price per prescription, 3.32*d.*; average dispensing-fee per prescription, 2.86*d.* A return was placed before the meeting relating to the expenditure account of different Prescription-pricing Bureaux. This showed that the actual cost per 1,000 prescriptions for 1916 and the estimated cost for 1917 for the different areas were: Central Counties (1,988,709 prescriptions from February to December 1916), 18*s.* 4½*d.* and 1*l.* 1*s.*; Lancashire No. 4 (994,205), 1*l.* 4*s.* 8½*d.* and 1*l.*; London (4,300,000), 1*l.* 2*s.* 10*d.* and 1*l.*; Manchester and Salford (1,200,844), 1*l.* 0*s.* 6*d.* and 1*l.* 2*s.* 8*d.*; N.E. Midlands (1,772,481), 1*l.* 2*s.* 8½*d.* and 17*s.* 7½*d.*; South-Western (1,820,089), 1*l.* 0*s.* 7*d.* and 18*s.* 10*d.*; S.W. Lancashire and Cheshire (1,115,249), 1*l.* 9*s.* 1½*d.* and 16*s.* 5½*d.*; Welsh (1,138,878), 19*s.* 5½*d.* and 1*l.*

London.—The Pharmaceutical Committee met at Bank Chambers, High Holborn, W.C., on May 14, Mr. G. B. Barnard (Vice-Chairman) presiding, when a letter was read from Mr. G. W. Hatfield (Chairman) stating that owing to a serious breakdown in health he was compelled, under medical advice, to tender his resignation from the Committee. The Secretary was instructed to convey to Mr. Hatfield the Committee's sympathy and the hope that he may be speedily restored to health, with a request that he will remain in office till the end of the session. The Insurance Committee wrote regarding the pharmaceutical service provided after 8 P.M., accepting the assurance that an adequate service will be provided at all reasonable times, and stating that in the event of complaints being received regarding inadequacy in any particular area, information will be sent to the Pharmaceutical Committee for the necessary action to be taken. The report of the Central Checking Bureau for January was received and adopted. It showed that the margin of error was 0.15 per cent. The Secretary reported, *inter alia*, that the value of the early accounts for January was 10,173*l.* 13*s.* 8*d.*, the number of prescriptions dispensed 370,240, and the average cost 6.59*d.* per prescription. The early accounts for February were valued at 9,040*l.* 12*s.* 10*d.*, the prescriptions numbering 322,593, at an average cost of 6.73*d.* The average cost per prescription for last year was: first quarter, 5.56*d.* (1916, 5.68*d.*); second quarter, 5.58*d.* (5.74*d.*); third quarter, 5.82*d.* (5.55*d.*); fourth quarter, 6.15*d.* (5.55*d.*). The increased cost towards the end of the year was due to the enhanced value of ingredients. An improved style of prescription-book is now under consideration by the Insurance Committee which, if adopted, will provide the chemist with a duplicate on white paper. The Pharmaceutical Society wrote concerning the Pharmaceutical Central Advisory Committee recently set up for the purpose of dealing with the question of military service as affecting chemists and dispensers. The Insurance Committee have received instructions from the Commissioners which will necessitate a review forthwith of the whole of the cases of chemists in the London County area.—At the meeting of the Insurance Committee, held at the County Hall, Spring Gardens, S.W., on May 23, the Finance Sub-Committee recommended the payment to chemists of 8,084*l.* 0*s.* 1*d.* on account of the current year. The Medical Service Sub-Committee reported on the case of a panel doctor who was alleged to have influenced his insured patients to obtain their medicines from a particular firm of chemists. The doctor denied the allegations, but admitted that his assistants had made suggestions of the kind. The Sub-Committee's inquiries proved that the firm in question is a limited company, the shares in which are practically all held by the wife of the practitioner; and it was accordingly recommended that the doctor be required to take such steps as will prevent a recurrence of the obnoxious practice.

Sheffield.—A Pharmaceutical Committee meeting was held on March 14. Mr. Culverhouse presided. A letter was read from the Clerk to the Insurance Committee, in answer to a protest against so many articles in September and October accounts being not priced, claiming that a satisfactory result in the pricing arrangements had been shown. The Secretary was instructed to write and point out that their objection was not to the total amount in error, but the fault lay in omissions which might be remedied. Three months' checking reports were presented and found to be very satisfactory; they included 1,000 prescriptions involving the allocation of non-extemporaneous fees. A communication was considered from the Pharmaceutical Society regarding the auditing of accounts, and it was decided that the method prevailing, which had been suggested by the Crown Auditor, was quite satisfactory. The Insurance Commissioners informed the Committee that they intended to continue their term of office for a further twelve months, unless reason was shown why an election should take place. It was agreed to fall in with the Commissioners' intentions. The attention of the Committee was drawn to the proposed closing of their shops by the Brightside and Carbrook Co-operative Society from Saturday to Wednesday. It was decided to draw the Insurance Committee's attention to the matter, as it does not provide an adequate service. A detailed account of the military recruiting of chemists was presented to the meeting, which was considered satisfactory and left in the hands of the Sub-Committee.

WALES.

Monmouthshire.—At a meeting of the Insurance Committee at Newport on May 8, Mr. E. J. Draper (who has purchased the business of Mr. F. Clarke, Bedwas) was placed on the panel of chemists. The Clerk reported that payments to chemists from the Drug Fund were in respect of two years, and were separately set out. He further reported that the Welsh Commissioners had issued notices to chemists under contract with the Committee that, as from April 1, stock mixtures chosen by the Panel Committee would be put in operation.

Note.

Arbitration Proceedings.—Notice is given in the "London Gazette," May 14, that it is proposed by the Insurance Commissioners, in pursuance of the powers conferred upon them by Section 32 (2) of the National Health Insurance Act, 1918, to make regulations applying certain provisions of the Arbitration Act, 1889, to Inquiries held under Section 15 (2) (*b*) and Section 15 (5) (*b*) of the National Insurance Act, 1911, with respect to medical practitioners and to persons, firms, or bodies corporate supplying drugs, medicines, and medical and surgical appliances.

New Books.

Maiden, J. H. *A Critical Revision of the Genus Eucalyptus.* 12 in. × 9½ in. Vol. IV., Part 3. 2*s.* 6*d.* (Gullick, Government Printer, Sydney, N.S.W.) [This is Part XXXIII. of the complete work, and contains four plates. The eucalypts dealt with are *E. rostrata*, *E. rudis*, *E. Dundasi*, and *E. pachyloma*. An index to Volume III. accompanies this number.]

Wall, O. A. *Elementary Lessons in Latin.* 9 in. × 6 in. Pp. 148. Second edition. $1.50. (The C. V. Mosby Co., 801-807 Metropolitan Building, St. Louis, U.S.A.) [Dr. Wall is a well-known teacher of materia medica and pharmacognosy, and he has prepared this book with the intention of supplying the knowledge of Latin required by pharmaceutical and medical students. Part I. deals with Latin grammar, Part II. consists of vocabularies and reading exercises, and Part III. (of seven pages) is devoted to familiar words. The Latin grammar is very concisely arranged, and the student is assisted by means of a good display of type. The book is adapted for self-study as well as class-work. Now that Latin need not be taken in school-form in the pharmaceutical Preliminary examination Dr. Wall's book becomes particularly suited for candidates for the British Qualifying examination. The vocabularies and exercises as a rule have a medical and pharmaceutical bearing.]

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Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. As a result of the War wholesale houses have had to contend with many fresh difficulties, some of which have involved greatly increased expenses. Shortage of labour with higher wages (equal to almost double pre-war rates) has a direct effect upon values of goods, as also have railway carriage, freights, cartage, and other charges. The foregoing and other incidental outlays prevent retail buyers purchasing at the market prices quoted here.

42 Cannon Street, E.C. 4, May 23, 3 p.m.

Business in the chemical and drug trades continues quiet, and as the Government restrictions have made trading very difficult in all directions it may be said the high-water mark of activity has been reached. Operators have now to confine their attention to spot or afloat business, as no important new transactions for forward delivery can be undertaken owing to adverse conditions imposed by the restrictions on both sides of the Atlantic. This repressive policy has made itself felt by the acute scarcity and high spot prices, whereas if ordinary trading facilities had been granted values would have eased down. Prices of some of the leading medicinal chemicals are now falling in the United States owing to the practical stoppage of exports, but the goods are not available for this market. The production of many items in the U.S.A. had been steadily increased to fill the wants of European buyers, and the weakness has been shown on that side in acetanilide, chloral hydrate, formaldehyde, benzoate of soda, benzoic acid, resorcin, hexamine, etc. The Whitsuntide holidays have disturbed the markets this week, and there are few items of interest to report on. The manufacture of ammonia and ammoniacal products has been brought under the control of the Ministry of Munitions. Refined camphor is quiet; cream of tartar is dearer, while citric and tartaric acids are both firm, the demand for these products being stimulated by the hot weather. Phenacetin and sulphonal are easier. Saccharin is firm and in good demand. Phenazone is rather firmer. Lemon oil has still an easy undertone; lime-juice is in fair demand; and American peppermint oil is still extremely scarce. Liquorice-root is still badly wanted. Rhubarb has been selling more freely. True almond oil is 3*d*. dearer.

Higher	Firmer	Easier	Lower
Almond oil (B.P.) Cream of tartar Ginger Turmeric (Bengal)	Arrowroot Phenazone Rhubarb	Anise oil, star Bleaching-powder Camphor. Jap. slabs (spot) Cassia oil Oxalic acid Sulphonal	Phenacetin Turpentine (spot)

Cablegram.

New York, May 23.—Business in drugs is fair. Gentian has advanced to 18c. Balsam Canada is lower at $5.75 per gal. Balsam Peru has advanced to $3.65, and balsam tolu is cheaper at $1.10. Quinine is higher at 90c. per oz. Cream of tartar and tartaric acid are also dearer at 65c. and 85c. respectively.

Acetanilide remains firm at 7*s*. per lb. on spot, which has been paid. No licences are being granted for export from U.S.A., and prices on that side are easier in consequence.

Almond Oil.—English pressers have advanced their prices of sweet B.P. by 3*d*. per lb. to 3*s*. 6*d*. to 3*s*. 7*d*., as to quantity.

Amidopyrin has been in rather better demand at 60*s*. per lb. on the spot.

Ammonia Products.—The Ministry of Munitions has issued an Order dealing with the manufacture and control of ammonia and ammonia products (see p. 33).

Antimony.—There is rather more inquiry for foreign regulus, which is comparatively cheap, holders asking 75*l*. to 78*l*. on the spot, and it is expected that business will improve, but the tone in Chinese crude remains dull, with parcels still obtainable at 43*l*., although some insist on 45*l*. White oxide of antimony can be imported without a permit.

Arsenic.—The tendency is a little steadier, with no special offers pressing on the market, although quotations are still rather wide. There is not much to be got at below 120*l*. so far as best Cornish powder is concerned, while sellers' views range up to about 125*l*. per ton for near delivery. Information as to the quantities coming in is not obtainable, but supplies are apparently not unwieldy, otherwise the market would be more easily affected by the occasional lulls in the trade demand. As far as can be gathered there is not a great deal of material being shipped from Japan, chiefly because of the difficult state of shipping.

Aspirin.—Export licences are being more freely granted, as the production is more than ample to cover home requirements; sellers quote 12*s*. to 12*s*. 3*d*. per lb.

Balsam Canada is very scarce, with one seller asking 9*s*. 6*d*. for a parcel near at hand.

Bleaching-powder is easier at 17*s*. 6*d*. per cwt. in casks on the spot.

Bromides are quiet, potash offering at 10*s*. 6*d*. (afloat at 10*s*.), sodium at 5*s*. 6*d*., and ammonia at 10*s*. 3*d*. to 10*s*. 6*d*. per lb.

Cadmium is steady at from 7*s*. 9*d*. to 8*s*. per lb.

Caffeine is rather cheaper in dealers' hands, pure crystals offering at 48*s*. 6*d*. per lb. net.

Calcium Acid Phosphate is extremely scarce, and practically all the makers are sold out; a limited quantity is, however, offered for forward delivery.

Camphor (Refined) is quiet, sellers of Japanese slabs asking 4*s*. 6*d*., and ⅛-oz. tablets 5*s*. 3*d*.

Chloral Hydrate is extremely scarce on the spot. Very little is in sight, and the prospects of further arrivals are poor, due to the fact that the U.S.A. has restricted the exportation; 13*s*. net *in bond* is the spot price.

Cinchona.—The exports from Java from January to November 1916 compared with 1917 were as follows:

To	1916 Kilos.	1917 Kilos.
Netherlands	7,096,000	1,376,000
Great Britain	—	675,000
U.S.A.	—	556,000
Singapore	—	50,000
Japan	31,000	21,000
	7,127,000	2,678,000

Citric Acid is firm at from 3*s*. 4½*d*. to 3*s*. 5*d*.

Coca-leaves.—The exports from Java from January to November 1916 compared with the same period of 1917 were as follows:

To	1916 Kilos.	1917 Kilos.
Netherlands	74,828	17,043
Great Britain	8,218	4,105
U.S.A.	227,145	66,852
Japan	1,197	6,423
	311,388	94,423

Cocaine.—There is no relief to the scarcity on the spot, as conditions in Holland and France in regard to supplies of raw materials are quite as acute as before. Sales of hydrochloride have been made in limited quantities at prices which may be ascertained at this office.

Cod-liver Oil.—Our Bergen correspondent writes on May 7 that the Finmarken cod-fishing has made very slow progress. The official report gives the following results of all the Norwegian fisheries up to May 4:

	1916	1917	1918
Catch of cod (millions)	42.5	21.9	15.3
Yield of c.l.o. (hect.)	51,000	32,100	15,200
Liver for "raw" oils (hect.) ...	4,700	3,300	4,200

Cream of Tartar.—The decline in the market last week owing to the arrivals, which, however, were quickly absorbed, has been more than recovered, the hot weather having stimulated the demand, and prices are 5*s*. to 10*s*. higher at from 425*s*. to 430*s*. per cwt.

Ergot continues very scarce on spot, and probably 4*s*. 6*d*. would be paid. A parcel of Spanish now afloat has been sold at 4*s*. 4*d*.

Farina.—Quiet, with sellers of No. 1 Japanese at 80*s*. spot, afloat 78*s*. to 79*s*., and May-July 76*s*. c.i.f.; *sweet* has been sold at 72*s*. c.i.f. for May-July shipment.

Ginger is dearer, with sellers of common to good common Jamaica at from 110*s*. to 112*s*. 6*d*., and medium to good 115*s*. to 125*s*.; Cochin washed is 95*s*., common 92*s*. 6*d*., Calicut 88*s*. to 90*s*., Japanese 87*s*. 6*d*., and Sierra Leone 90*s*.

HYDROQUINONE is offered at 18*s.* per lb. on spot, and slightly less to arrive.

LEMON OIL.—Market has still an easy undertone, spot offering at from 3*s.* 10*d.* to 4*s.* 1*d.*, and on c.i.f terms at from 3s. 9*d.* to 3*s.* 10½*d.* per lb.

LIME-JUICE is in good demand, values of raw West Indian being from 2*s.* 9*d.* to 3*s.* 3*d.* per gallon, according to quality and style of package.

LIQUORICE-ROOT.—There is plenty of inquiry, but supplies are difficult to find; Italian cut decorticated could probably be had at 160*s.* per cwt. on the spot.

MENTHOL.—In the New York "Drug and Chemical Markets" appears a letter from Suzuki & Co., Kobe, addressed to their New York agents, in which they write under date of March 12 that the output of menthol this year will only be about one-half as compared with last year's production, and recently large quantities of menthol and oil have been shipped to London and Marseilles, lending considerable strength to the Japan market, which at the present moment is very excited.

MILK-SUGAR.—The market is practically bare of supplies owing to the lack of permits to import from the U.S.A., and the price remains abnormally inflated.

OILS, ESSENTIAL.—The following are current quotations: White *Camphor*, 165*s.*; brown, 145*s.* Bourbon *Geranium*, 26*s.* 6*d.* to 27*s.* per lb. Java *Citronella*, 4*s.* 2*d.* to 4*s.* 3*d.*, and Ceylon 3*s.* 4½*d.* *Lemongrass*, 70 to 75 per cent., 6¼*d.* to 6¾*d.* per oz., according to seller. Rectified *Caraway*, 25*s.* 6*d.* *Clove*, 21*s.* *Lavender*, French, 38-per-cent. esters, 16*s.* 9*d.* French *Spike Lavender*, 5*s.* 6*d.* to arrive. Bourbon *Vetivert*, 57*s.* 6*d.* Bourbon *Ylang-ylang*, 4*s.* per oz. *Bois de Rose Femelle*, 16*s.* 6*d.* *Neroli*, 17*s.* per oz. French *Petitgrain*, 27*s.* 6*d.* per lb. to arrive. Paraguayan, 17*s.* spot and 16*s.* 6*d.* to arrive.

OXALIC ACID is easier at 1*s.* 5½*d.* per lb. net delivered London.

PEPPER is firm but quiet, the sales including fair *black* Singapore on spot at 1*s.* 5*d.* and buyers; Tellicherry has been sold at 1*s.* 5½*d.* on spot and buyers; Alleppy is 1*s.* 5½*d.* *White* Muntok is quoted at from 2*s.* 5½*d.* to 2*s.* 6*d.*

PEPPERMINT OIL.—H.G.H. is unobtainable on the spot, and 30*s.* could be readily obtained; finest American in tins can be had in limited quantity at 23*s.* net.

PHENACETIN.—The large consignments which have lately arrived have caused an easier feeling, and 26*s.* per lb. will buy. Now that the price is falling to a more normal figure the consumption for tablet-making should revive, and seeing that the manufacture is on an assured basis it seems practically impossible for the chemical to again reach the heights it did earlier in the war.

PHENAZONE.—Stocks are getting low on spot, and market is tending firmer, sellers asking 50*s.* per lb. net.

PLATINUM.—There is no change in the price here, where, curious to say, the value of the substitute-palladium stands at 290*s.*, against 400*s.* per oz. nominally for the former metal, this being in sharp contrast with American conditions. The supply of palladium on the other side being virtually exhausted, the demand is very keen at $150 per oz., against the current open market price of platinum at $108, which is $3 above the Government price.

POTASH PERMANGANATE.—New York reports that arrivals from Japan have been rather heavy, and spot price is lower at $3.25 to $3.50.

PYROGALLIC ACID.—The demand for photgraphic chemicals is good; crystals are worth 16*s.* and resublimed 17*s.* 6*d.* to 18*s.* net.

QUININE.—The bulk of the large shipment of 300,000 oz. Java quinine which has arrived in London will probably be taken over on behalf of the Government. Makers' prices are unchanged, and limited quantities of sulphate can be bought at from 3*s.* 4*d.* to 3*s.* 5*d.* per oz. on the spot, which represents a small profit on the importers' prices. The imports, exports, and re-exports of the United Kingdom during April and the four months ending April for the past three years are as follows:

	1916	1917	1918
	oz.	oz.	oz.
Imports—			
April	306,658	289,000	46,864
Jan.-April	1,486,277	1,317,112	677,261
British exports—			
April	137,224	271,482	24,205
Jan.-April	553,896	592,675	138,176
Re-exports—			
April	672	11,141	29,250
Jan.-April	144,875	26,920	371,966

The exports of quinine from Java from January to November 1916 and 1917 were as follows:

To	1916 Kilos.	1917 Kilos.
Netherlands	22,589	7,243
Europe	13,700	25,574
U.S.A.	1,418	16,546
Egypt	17,053	5,386
British India	4,844	9,144
Singapore	10,412	5,951
China	8,930	14,019
Japan	11,076	21,946
Australia	2,502	2,486
Other countries	9,412	4,684
	101,936	112,979
	= oz. 3,567,800	= oz. 3,954,800

RHUBARB has been selling more freely of late, and several parcels ex auction have been cleared at steady prices. Absence of arrivals have caused buyers to pay more attention to the drug. The May deliveries should show an improvement against April, which were 36 cases; the stock at the end of April was 719 cases, against 892 cases.

SALICYLATES.—The demand for salicylic acid shows signs of improvement, but prices are unchanged at 4*s.* 9*d.* to 5*s.*; soda salicylate is, however, rather firmer, possibly owing to the cutting-off of imports from the U.S.A., and the demand outstripping production; 7*s.* to 7*s.* 2*d.* is quoted for U.S.P. or B.P. powder.

SACCHARIN.—Further quantities have arrived from the United States, and sales from these parcels have been made by importers at 265*s.* per lb. net *in bond* for 550 pure, at which further small lots can be had. Dealers claim to have made sales at higher rates than the foregoing, as the demand continues good, and the market is firm. A New York advice dated May 2 reports that licences for export are again being refused, and when stocks begin to accumulate there will probably be a recession in price.

SHELLAC.—Business is quite retail, with usual standard quality TN Orange offering at 335*s.* to 340*s.*; to arrive TN is offered at 305*s.* c.i.f., and pure button 325*s.* c.i.f.

SPARTEINE is unobtainable on the spot, and the manufacture in France seems at a temporary standstill owing to lack of material, which is usually obtainable in Northern France.

SULPHOCARBOLATES.—Soda is offered at 3*s.* and zinc at 3*s.* 3*s.* net.

SULPHONAL is offered at 80*s.* per lb. net on spot, being on the easier side.

TARTARIC ACID is firm and in good demand at 3*s.* 6*d.* per lb.

TURMERIC.—Cochin split bulbs are steady at 55*s.* per cwt. Madras finger can still be had at 90*s.*, and Bengal and Cochin finger at 70*s.*

TURPENTINE.—American is 2*s.* per cwt. lower at 118*s.*, with sales thereat to licence holders; Liverpool is 121*s.*, Manchester 122*s.*, Hull and Glasgow 122*s.* 6*d.* per cwt.

UVA URSI.—New York reports a wide export demand to England, where the leaves are being used in place of buchu; 15c. has been paid in a large way, and dealers now ask 20c. to 22c. for limited quantities only.

Arrivals of Chemicals, Drugs, etc.

The following arrivals have taken place at the Ports of London and Liverpool. Particulars of imports of oils, oilseeds, nuts, fats, gums, etc., are not now published:

To London
(May 11 to 15).

Casein, 1,330*l.*
Chemical products, etc., unrated, 28 cs.
Arsenic, 100 cwt.
Cocaine, 1 cs.
Colouring, vegetable, 32 cks.
Cream of tartar, 28 brls. 15 cks. 20 pkgs.
Phenazone, 15 cs.
Pyrogallic acid, 10 pkgs.
Quinine, 300,000 oz.
Soda salicylate, 9 cwt.
Tannic acid, 10 pkgs.
Tartar, 48 pkgs. 11 cks.
Terpineol, 3 cs.
Verdigris, 4 cks.
Zinc oxide, 25 cs.
Drugs, etc., unrated, 25*l.* and 33 bls.
Burdock-root, 20 bgs.
Camphor, 300 cs.
Cinchona, 16 bls.
Male-fern root, 45 bgs.
Galls, 390*l.*
Manna, 16 cs.
Papain, 15 cs.
Dyestuffs, dyeing and tanning materials, etc., 10 cks. 135 pkgs.; gambier, 382 pkgs.; mimosa ext., 7,168 bgs.; quebracho ext., 1,160 bgs.; wattle ext., 1,850 bgs.
Gelatin, 2,883*l.*
Perfumery, unrated (mostly raw materials), 1,391*l.*; perf. water, 27*l.*; toilet-powder, 111*l.*
Soap-toilet, 2,968*l.*
Starches (cwt.), 400; dextrin, 50; farina, 1,000; potato, 1,726; rice, 69
Talc, 700*l.*
Wax, not described, 12 sks.
Wax, paraffin (cwt.), 4,336; scale, 289

To Liverpool
(May 13 to 16).

Bronze powder, 153*l.*
Celluloid, 1,167*l.*
Chemical products, etc., unrated:
Argol, 328 bgs.
Arsenic, 109 cks.
Calc. acid phosphate, 40 brls.
Cream of tartar, 34 cks.
Glycerin, 40 cs.
Heliotropin, 8 cs.
Drugs, etc., unrated, 67 bgs. 1 cs. 2 drms. 1 kg.
Copaiba, 13 cs.
Eucalyptus oil, 163 cs.
Lavender-leaves, 25 bgs.
Dyestuffs, dyeing and tanning materials, etc.: fustic liquor, 3 cks.; logwood, 250 tons; logwood liquor, 14 cks.; sumach, ground, 200 bgs.
Fullers' earth, 14 bls.
Starches, 56 bgs.; farina, 50 bgs.; rice, 136 bgs.
Wax, vegetable, 38 cs.

Solandra Longiflora.

This plant has been suggested, in the "Agricultural Gazette of New South Wales" (September 3, 1917), as a substitute for belladonna, which is difficult to grow in that State. The plant is an evergreen climbing shrub, belonging to the same natural order and tribe as belladonna. It has large, trumpet-shaped, fragrant flowers nearly a foot long, which are greenish-yellow or greenish-white in the inflated portion, with purplish veins, the tubular fluted part occupying about 7 in. of its length. The shrub is almost allied to *Datura*, but differs in the fringed edge of the corolla, in having a conical ovary with all the dissepiments complete, and the seeds immersed in pulp. Although a native of the West Indies and South America, it used to be commonly cultivated in suburban gardens in Australia, but has become scarce during recent years. It is a very accommodating plant, as it has been known to climb to the top of a Norfolk Island pine (*Araucaria excelsa*), 100 ft. high, and flower profusely from its branches; but it can be pruned into a bushy shrub only 4 ft. high, and flowers even when only 2 ft. high, and makes, when pruned, an excellent hedge. It does not object to gross feeding, but also grows well on dry and hungry soil. For medicinal purposes, therefore, it lends itself to easy cultivation in warm climates. It is propagated at the end of May (in Australia) from flowering wood, just after the flowering season is over. The cuttings are planted in rows in light, well-drained sandy soil, and become well-rooted and fit to plant out by the time the ground has become warm in late spring. The poisonous character of the plant was discovered by accident. A gardener had some of the juice squirted into his eye when pruning the plant, and was taken to the Sydney Hospital for loss of sight, and was found to have the pupil of the eye dilated as if by atropine. In the hope that the plant might contain an alkaloid having some advantage over other tropeines, the plant was examined by Dr. J. M. Petrie, F.I.C., in the physiological laboratory of the University of Sydney, who found an alkaloid belonging to the atropine group, producing the complete dilatation of the pupil, all the effects of the natural tropeines on the heart, secretory glands, and on the blood-pressure, but differing in not being reddened by solution of phenolphthalein, and in alcoholic solution of mercuric chloride causing a white precipitate, while atropine gives a red, and hyoscyamine a yellow, but it agrees with hyoscine in giving a white precipitate. The platinum-chloride salt crystallises in small cubical crystals, while atropine gives monoclinic and hyoscyamine triclinic crystals. Solandrine comes nearest to hyoscine, but differs in its aurochloride in not reddening phenolphthalein, and in yielding atropic instead of tropic acid when hydrolysed. The amount of alkaloid extracted from the air-dried leaves by alcohol is given as 0.11 per cent. Subsequent investigations by Dr. Petrie showed that solandrine is identical with the nor-hyoscyamine found five years later by Carr and Reynolds as a fourth alkaloid in *Scopola japonica*, the others being hyoscyamine, atropine, and scopolamine. It is also identical with the pseudo-hyoscyamine found in 1892 by Merck in *Duboisia myoporoides*, and by Hesse in 1891 in *Mandragora officinalis*, but which neither of those authorities obtained in the pure state. *Solandra longiflora* also contains hyoscyamine, but scopolamine is absent. The amount of total alkaloids obtained from the dried leaves was 0.154 per cent. An illustration of the plant is given in the "Flora of the Antilles," vol. ii., p. 49, t. 12, and in the "Botanical Magazine," t. 4345, under the name of *Solandra lævis*. Dr. Petrie's investigations were published in the "Proc. Linn. Soc. N.S.W.," vol. xxxii., p. 789 (1907), and vol. xli., p. 815 (1916).

Quinine in India.

The great demand for quinine has resulted in a serious depletion of the reserve built up by the Indian Government just before the outbreak of war; and in order to increase the supply for meeting the growing demand it has been found necessary to replenish the reserve and to extend the existing plantations and increase the output. This explains an increase of Rs. 77,000 in the revised estimate of expenditure for the current year as well as the provision of Rs 11,93,000 for the purchase of Java quinine in the estimate for 1918-19. The revised estimate of receipts under the head "Scientific and Miscellaneous Departments" for the current year shows a huge increase of Rs. 18,29,000 over the sanctioned estimate. The increase is due to unusually large sales of quinine, including a special sale of 30,000 lb. to the Army for the Eastern Mediterranean Field Force. The estimate of revenue for next year is Rs. 19,09,000, which provides for increased receipts from cinchona plantations.

Index Folio 418

Correspondence

Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Fair-play for Soldier Assistants.

Sir,—I have been interested in reading the annual report and meeting of the Pharmaceutical Society, and consider that the address of the President was both concise and excellent. He does not appear, however, to have alluded to an item in the report (but which was mentioned by a subsequent speaker in the discussion) that the percentages of passes in the Qualifying examination had increased, "indicating a marked improvement in the training of students submitting themselves for the examinational test." Yet in face of this, at a subsequent special general meeting, by-laws were passed imposing a curriculum. Although I received a notice of the special general meeting, I did not know that it was for the purpose of passing curriculum by-laws, and many of my pharmacist friends were equally as ignorant. I am glad, however, to know that a representative of the Thames Valley Association challenged the validity of the notice calling the meeting, and although he was overruled by the President on that objection, he evidently tried to get the meeting adjourned until after the war, contending that the present "was not a time for innovations." It would be interesting to know the attitude of the President as to warrant one of the members present protesting "against what he stigmatised as the President's attempt to browbeat the meeting; they had not come there to be forced into compliance with any arbitrary course." I notice a member said "that the only argument that weighed with him was the possible injustice to the absentee young men," and I think this should be the feeling of all. I should like to see pharmacists and Associations throughout the country consider this question before the by-laws are confirmed by the Privy Council, as the only remedy now is that pointed out in your editorial columns last week. As an alternative, I should like to see the Council of the Pharmaceutical Society state forthwith that the new by-laws shall not be put into force until two years after the conclusion of peace. I notice that the great University of Oxford is taking action to count their undergraduates' service under arms as a given number of terms; in fact, further, to grant forthwith a pass degree to those who have already satisfied a minimum of residence. I read also that the Canadian Government is considering the desirability of admitting young men who are serving their country in this war into the Dominion Civil Service without examination. I now ask what will the Pharmaceutical Society do for our young men? Is it to impose an expensive curriculum before they can present themselves for the Qualifying examination?

Yours truly,
M. P. S. (91/67.)

Cream-of-Tartar Standard.

Sir,—This correspondence has now travelled some distance from the original subject, but Mr. Haslett specially refers to us, and therefore we have much pleasure in answering him by referring again to the B.P. 1914, pages 497 and 498. When copper is present in cream of tartar, and it is intended to test for lead, the B.P. prescribes the use of a solution of potassium cyanide so that the copper present shall not interfere with the lead-test. When cream of tartar in solution contains colouring-matter, also referred to in the letter from a London analyst quoted by Mr. Haslett, the B.P. again provides a remedy, which is "the difference (*i.e.*, in colour between the sample to be tested and the comparative solution) may be rectified by the cautious addition of a highly diluted solution of burnt sugar" to the comparative test-solution. Thus the B.P. prescribes all that is required in the way of tests for impurities, and if its methods are adopted we are sure from our own experience that results will practically agree when a sample is uniform throughout. Mr. Haslett denies our statement that Continental brands of cream cannot be relied upon, yet in the letter he quotes in dealing with a sample of Continental make the analysts cannot agree as to the quantities of other impurities present because of the copper and the colouring-matter.

Your obedient Servants,
For John Bennet Lawes & Co., Ltd.
A. G. Page, Secretary.

Pharmaceutical Education.

SIR,—Mr. Cecil Owen's views on pharmaceutical education (*C. & D.*, May 18, p. 51) lack nothing in the way of vigorous expression, even if pitched in a rather high key. They are also, one must add, consistent, if not always practicable. What body, one may be permitted to ask, is to grant the degree of Ph.B.—the Pharmaceutical Society or the Universities? If the former, does he imagine the latter will have nothing to say on the subject? And if the latter, the former will, I fancy, require some safeguards in the matter. The Manchester University gives a degree in science, "B.Sc.," where pharmaceutics may be offered as a subject for the degree, and this, I think, will be found more free from objections than the granting of a degree in pharmacy itself. Mr. Owen also is rather late in his suggestion for a doctorate in pharmacy, as the German Ph.D. is not, as he says, likely to be replaced by the English D.Sc., but actually by the degree of Ph.D., to be awarded as the result of two years' supervised research carried on at the Universities after the granting of the B.Sc.—that is, at the end of five years' university training. Let us be content with something less ambitious to begin with—namely, a six or preferably nine months' course of consecutive systematised training for the Qualifying examination, instead of the pernicious three months' cram courses which have been the curse of pharmaceutical education in this country. If, in addition, a preliminary course in the elements of chemistry, physics, and the necessary mathematics could precede the above, we should have established the scientific part of the training of the pharmacist on a sound basis of a reasonable nature. Such a course, called the "Preliminary General Course," is required by the Board of Education of all industrial and other apprentices before they are allowed to take out a grouped course of study for their particular occupation, and it is about time that pharmacy came into line with other industries and occupations in this matter. I purposely do not speak of professions. The misfortune of the average pharmaceutical student is that he never gets a proper grounding in elements of science, and therefore he never can build anything worthy. Let us be content for the present in having this foundation "truly and properly laid." Yours truly,

TEACHER. (84/69.)

The Election Results.

SIR,—The election results are startling, and may prove to be a dividing line between the old content of "Leave it to the President and the Secretary" and the determination of members to exercise their democratic function of governing themselves in their own way. As was to be expected with twelve candidates, there must have been a lot of cross-voting, and those who exercised their franchise for the first time have helped to produce a strange result. Out of six Reform candidates four were returned, and with a little more expenditure of money and energy this Committee might have captured six seats. As a first effort and the result of three weeks' work it augurs well for the future. For the first time we find that the man at the top of the poll failed to capture more than three-fifths of the electorate, and the last man in only a trifle more than half the votes polled. The centre of gravity seems to have shifted from London, as one of the men with over 3,000 failed to get more than 25 per cent. of the Metropolitan votes, which means he must have captured more than 90 per cent. of the country, and he a London man. This would appear to take away what little life there is in the President's substitute for territorial representation. Pharmacy wants no substitutes. The two most advertised men of the old brigade, Nos. 2 and 3, had respectively 2,278 and 2,397 votes out of a poll of 5,786 registered against them. Another interesting point is that the two protagonists for a whole-time Secretary were at the top of the poll, and the whole-hogger for a man at any price just scraped home. The encouraging element is the break-up of the sequence of starred men by the return of a woman for the first time and of a man who is pledged broadcast to get "Yes or No" out of the Council on several questions requiring an answer. May the additions to the earnest band of reformers who have withstood the stultifying influences justify our great expectations.

SIGMA. (21/5.)

SIR,—Will you allow me space very heartily to thank all those members in town and country who have so cordially worked and voted for me at the recent election, and to say that although unsuccessful this time I trust that I may again have the benefit of their help and support on a future occasion? Yours faithfully,

ANDREW R. MELHUISH.

SIR,—I beg to express my sincere thanks to the 2,550 ladies and gentlemen who so kindly recorded their votes in my favour at the Council election. At the same time, may I say that the interpretation of the word "defeat" on this occasion is the making of greater effort for success next year? Yours faithfully,

JAMES KIRKPATRICK.

SIR,—May I beg a little space to thank the 3,119 electors who declared their approval of my intention to throw a little light on the doings of the Council? I should also like to thank the writers of the congratulatory letters that are coming in by every post, and which are now so numerous that I am afraid I shall never be able to answer them all personally. My very best thanks to them all! I can only say that I shall do my utmost to carry out faithfully the promise I made in my election address.

Yours faithfully,

HUGO WOLFF.

Miss M. E. Buchanan writes to thank all those who have kindly voted for her in the election, and to mark her appreciation of the numerous messages of congratulation which she has received, and to which she finds it impossible to reply separately.

Mr. Thos. Guthrie writes: "I beg to tender most grateful thanks for the honour the electors have conferred in returning me to a seat at the Council-table, and for the emphatic turn given to the circumstance by my position in the poll. The confidence, so generously attested, it will be my object to endeavour to retain."

Mr. Clement W. Ridyard writes: "I should be pleased if you will kindly grant me space in which to thank the 2,466 electors who supported me by their vote at the recent Council election; and to say to those who found themselves unable to do so that I realise fully the difficulty of selection put before them. The present pressure of work in connection with my secretarial offices is such that I find it beyond me to answer personally all the kind letters of encouragement and regret at my non-election, which I nevertheless very highly value, and which I take this opportunity of acknowledging."

Reconstruction in Pharmacy.

SIR,—Snobbery, unfortunately, is not confined to one class, and had your correspondent "Reconstruction" (*C. & D.*, May 11, p. 51) been sufficiently careful in reading the Progressive Pharmacy Club's pamphlet on "Pharmacy and the Public Services" he would not have fallen into the error of attributing opinions to the Club which were gathered from various authorities for the purpose of elucidating a thorny problem. I can assure him that the P.P.C. is not big enough for swelled heads, and particular degrees of technical equipment have no weight; it is a club where superior persons can find no resting-place.

HERBERT SKINNER,
Chairman Progressive Pharmacy Club.

Increased Deposit on Syphons.

SIR,—I notice that the Liverpool Chemists' Association object to the new charges on syphons, but the charges are overdue and inevitable. My difficulty is that the maker with whom I deal will not help me with my customers by printing the amount in larger type on the syphon-loan tickets. Customers are not all unreasonable, but when the altered price is announced in microscopic characters they become suspicious. It seems quite a small point to ask that when the new tickets were printed the price should be in bolder type; but no—it has always been so, and could not be altered, was the reply I got. There were other things in the letter, but they are irrelevant to the point at issue.

Yours truly,

JAY MACK.

Early Apothecaries.

SIR,—Chaucer has another reference to apothecaries than the one quoted by "Xrayser II." (*C. & D.*, May 18, p. 41) out of the Prologue to the "Canterbury Tales." It occurs in the Nonne Preestes Tale (line 128), where Damoysele Pertelote tells her husband, Chaunteclere, that, "though in this toun is noon apotecarie, I shal my self to herbes techen yow, That shul ben [be] for your hele [healing] and for your prow" [profit or advantage]. She then goes on to give him advice: "Beware the sonne in his ascensioun ne fynde yow nat repleet of humours hote." And finally prescribes a treatment: "Ye shul have digestyves of wormes, er ye take your laxatyves," the names of which are set forth. The whole passage suggests that Scott was not far wrong in making the fourteenth-century apothecary a practising physician as well as a vendor of drugs.

Yours faithfully,

L. (84/72.)

Legal Queries.

Most difficulties in trade law are explained in the legal section of "The Chemist and Druggist Diary," 1917, beginning on page 353.

H. F. (83/13).—It is no offence under the Venereal Disease Act to dispense prescriptions or supply drugs on demand which you have reason to think are to be employed in the treatment of venereal diseases.

C. E. L. (44/47).—The fact that you have served a regular apprenticeship but are not a qualified chemist does not entitle you under the Medicine-stamp Act to sell "known, admitted, and approved remedies" on behalf of a limited company which is not carrying on business in accordance with the Poisons and Pharmacy Act.

Tax (39/20) asks what constitutes liability to excess-profits duty, and what is the amount charged. [Excess-profits duty as at present in force is a charge of 80 per cent. on any profits made during the war in excess of the profits made prior to the war. It applies to all trades or businesses of any description carried on in the United Kingdom and to those carried on abroad provided the owner is ordinarily resident in the United Kingdom, and it is also charged on mineral royalties. But it is not charged on (1) profits from husbandry in the United Kingdom, (2) profits from offices or employments, or (3) profits from professions where the returns are mainly dependent on personal qualifications and the capital expenditure is trifling. Thus, a consulting and analytical chemist would be exempt, but exemption is not allowed to commission or other agents paid for transactions or services rendered, although commercial travellers are not liable. Registered industrial and provident societies are specially dealt with. The assessment to the duty is made in respect of every accounting period of a business falling within the year beginning on August 1 and ending on July 31 following. This period is that for which the accounts of the business are made up. Every person liable to the duty must give notice of his liability, with particulars of the profits, to the Commissioners of Inland Revenue within two months of the end of the accounting period, and the Commissioners may make an assessment on this, or if they are not satisfied they may assess at a larger sum, subject to the taxpayer's right to appeal if he is not satisfied with the assessment. In finding the profits to be charged the basis of calculation is, with a few exceptions, the same as that for arriving at the profits of the business for income-tax purposes. But while average profits for the three preceding years are taken for income-tax, it is the actual profits for the year that are taken for charging the excess-profits duty. Deductions, which are not allowed for income-tax, are also allowed for (1) interest on money borrowed for trading, (2) rent, (3) profits from lands or premises, (4) annuities payable out of the business property. When the profits of the accounting period are found the pre-war profits are then taken on the same basis of calculation. For the pre-war profits the average profits of any two of the three years prior to the war may be selected by the taxpayer, or the average from any four of the last six years prior to the war may be selected for this purpose if the average of the last three years is at least 25 per cent. less than the average of the three years preceding those three years. When the amount of the pre-war profits has been found in this way, if it turns out to be less than the percentage standard fixed by the Act, the pre-war percentage standard is to be taken for comparison with the profits of the war year. This standard is 6 per cent. on the capital of the business in the case of a business carried on or owned by a company, and 8 per cent. in the case of any other business, provision being made for an adjustment where any increase or decrease has taken place in the capital since the pre-war period. Whichever is greater, the pre-war profits or the standard percentage, is then taken and deducted from the profits for the accounting period, and the difference thus found is the gross assessment for excess-profits duty. The first 200*l.* of this assessment is in all cases exempted from the tax, and, in addition, where the pre-war standard of profits does not exceed 500*l.* and the net profits of the accounting period are less than 2,000*l.*, there is a further remission on the assessment of one-fifth of the amount by which the profits of the accounting period are less than 2,000*l.* The duty is then payable at 80 per cent. on the net assessment. Any taxpayer who is dissatisfied with the assessment on him may appeal by giving notice to the Surveyor within thirty days of the service of the assessment. If the question in dispute is one as to percentage, capital employed, or the like, the Commissioners may refer it to a Board of Referees.]

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

E. J. H. (60/22).—Odour of Harris Tweed.—Soaking the tweed in a liquid made from peats and water would give the odour of Harris tweed. Perhaps a spray of coumarin dissolved in spirit would give an odour that would satisfy your customer.

G. L. E. (67/40).—Manufacture of Mirrors.—Formulas for the solutions used in making mirrors were given in the *C. & D.*, May 27, 1916, p. 48.

J. D. G. (68/55).—(1) Preserving-tablets.—These are usually composed of sodium salicylate, this salt being more soluble than salicylic acid alone, which is also employed. (2) Jam-making.—Glucose can be used in place of sugar for making jam, but it is generally mixed with some sugar. The Board of Agriculture and Fisheries recommend a mixture of sugar and syrupy glucose for jam-making. You would have better success with this than with the wheat-starch basis which you suggest. If glucose is used without sugar the sweetness could be increased by the addition of saccharin.

R. C. F. (68/10).—Printing on Steel.—You will need some composition of the nature of Brunswick black for marking steel. It could be used with an indiarubber stamp if the liquid were free from turpentine.

W. R. (52/50).—We do not know what powder is added to the water of motor radiators to prevent leakage. Perhaps some of our readers will supply the information?

W. S. S. (50/50).—Thermometer-scales.—The black liquid employed for marking the scales on clinical thermometers is a thick solution of black sealing-wax in spirit. Red wax is used for special markings.

Orientalist (Madras) (77/19).—Podophyllum Resin is soluble in 90-per-cent. alcohol in a greater proportion than is indicated by the formula for tinct. podophylli, B.P. Samples of the resin, however, vary in the amount of matter insoluble in alcohol, which should not exceed 5 per cent.

Flagship (30/18).—Washing-liquor.—A cheap fluid on the model of the sample you send could be made by dissolving dry soap in soft water.

R. F. (54/27).—Waterglass for Egg-preserving.—The usual strength of waterglass solution employed for preserving eggs is one in ten. The 1-lb. tins contain about 10 fl. oz., and this quantity should be diluted to 1 gal. with warm water. When cold the liquid is ready for use, this quantity being sufficient for from 120 to 150 eggs. We have not heard of eggs being cracked by the action of the fluid; there must be some unusual circumstance in the case you mention.

T. S. B. (75/10).—Soluble Saccharin, to which you refer, is a mixture of 86 parts of saccharin and 14 parts of sodium bicarbonate. It can be diluted with sugar of milk if you desire to increase the bulk.

C. E. (78/18).—It is probable that an equivalent quantity (if only small) of tragacanth mucilage could be used in place of the glycerin in the formula for sulphur hair-restorer. Will you try and let us know how you succeed?

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," May 15, 1868.

Moutarde en Feuilles; or Mustard Paper.

This new sinapism is prepared by fixing on a sheet of strong paper a thin layer of mustard by means of a solution of caoutchouc in a volatile oil. The adhesion is perfect. Paper, thus prepared, and immersed for twelve or fifteen seconds in cold or tepid water, and then applied to the skin, acts as a powerful rubefacient. Ninety-two grains of mustard in this form are sufficient to rubify very completly a surface of fifteen and a-half square inches. The author increases the activity of the mustard he uses by extracting the fixed oil, of which it contains 28 per cent., and which is quite inert. When deprived of this oil, mustard resists the action of the air, and keeps good for an almost indefinite time. Ordinary mustard, as is well known, loses its qualities in a comparatively short time. This mustard paper is intended as a substitute for the mustard poultice, and would appear to be well adapted for the purpose.

PELMANISM

"The Little Grey Books."

No books have achieved greater popularity during the war than the "little grey books," as they are affectionately called.

Soldiers pore over them in the trenches; sailors con them in their brief intervals of leisure in the Grand Fleet; business men and women consult them at every possible opportunity; lawyers, doctors, and students declare them to be an ever ready source of help, stimulation, and encouragement.

In fact, everybody is studying these wonderful "little grey books" in which the principles of Pelmanism are so interestingly explained: "Pelmanism"—that extraordinary new force in modern life—the "cardinal factor of success," to quote "TRUTH'S" telling phrase.

If you do not know the "little grey books," if you are not a Pelmanist, you should hasten to make up for lost time. "Nobody who has not studied these books," says an ardent Pelmanist, "can conceive the immeasurable benefits resulting from them."

"A single one of them would be cheap to me at a hundred pounds," declared a solicitor. "As a direct consequence of them I gained a step in promotion," writes a Lieut.-General.

A General writes from France: "The importance of the Pelman Course can hardly be exaggerated. I agree it should be nationalised."

Many clerks, shop assistants, and salesmen tell how they doubled and trebled their incomes as a result of a few weeks' study of the Pelman Course. Tradesmen tell of "record turnover" and 100 per cent. and 200 per cent. increase in profits. The latest batch of reports from Pelman students (including men and women of all occupations in life) show that less than one per cent.—not one in a hundred—failed to gain substantial advantages from the Pelman Course.

And all at the price of a half-hour or so a day for a few weeks! It sounds too good to be true; but there are thousands of letters to prove that it is absolutely true. There is not a class, not a business or trade or profession in these islands, in which Pelmanism has not proved itself a wonderful help to success. That is to say, a means of increasing efficiency and developing "braininess" to such a degree that promotion and a bigger salary follow as surely as night follows day.

Women are particularly keen on Pelmanism; it has proved such an enormous help to them in "getting on" in business. Many of them describe it as "the best investment I ever made."

Moreover, they find it a truly fascinating study. "I am genuinely sorry the course has finished. I have found it so absorbingly interesting as well as profitable." These are the exact words used by students of the Pelman Course.

"TRUTH" has lately made another report upon the progress of Pelmanism amongst various classes, and confesses it would be impossible to name a business, profession, or vocation in which there were not hundreds of Pelman students.

Army and Navy officers are very "keen on Pelman"; 91 Admirals and Generals, as well as over 30,000 other officers and men, are studying the course. A large number of readers of the leading journals have taken it, and have already profited by it in income and position.

The directors of the Institute have arranged a substantial reduction in the fee to enable the readers of the *Chemist and Druggist* to secure the complete course at one-third less than the usual fee.

To get the benefit of this liberal offer application should be made at once by postcard to the address at foot of next column.

INTERESTING LETTERS.

From a Works Manager.

Your System has certainly been of great assistance to me in a variety of ways. Up to recently I was works manager for a big firm of yarn spinners, but have now attained the position of right-hand man to the owners, being removed from the executive to the administrative side of the business.

From a Director.

I consider the Pelman Course is of the utmost value. It teaches one how to observe and to think in the right way, which few realise who have not studied it. The great charm to me was the realisation of greater power; power to train oneself for more and more efficiency. I gained from each lesson right up to the end of the Course.

From a Clerk.

Looking back over the time since I first enrolled for the Course, I marvel at the changed outlook and wide sphere which is opened out to me. The personal benefits are a great increase of self-confidence and a thousandfold better memory. If only the public *knew* your Course I am sure your offices would be literally besieged by prospective students.

From a Bank Cashier.

I have much pleasure in testifying to the practical value of the Pelman System as a means of developing one's mental powers. My chief regret is that I did not take the Course years ago. I have found the training of great value in clearness of mental vision, quickness of decision and greater self-confidence. The outlay is quite nominal compared with the great advantages attained.

From a Textile Buyer.

From my own experience I would strongly recommend the Pelman Course to all who are ambitious and keenly desirous of success. Perhaps its greatest value is that it causes one to feel more independent of circumstances of any and every kind; it tends to transfer our destiny from chance into our own keeping.

IMMEDIATE BENEFIT.

"Benefit," says "Truth," "is derived from the very first, and this is the general experience of the vast majority of the students. Almost before they are aware of it the brain is being set methodically to work on the lines which will bring out its full capacity."

OVER 250,000 MEN & WOMEN.

The Pelman Course has already been followed by over 250,000 men and women. *It is directed through the post, and is simple to follow.* It takes up very little time. It involves no hard study. It can be practised anywhere, in the trenches, in the office, in the train, in spare minutes during the day. And yet in quite a short time it has the effect of developing the mind, just as physical exercise develops the muscles, of increasing your personal efficiency, and thus doubling your all-round capacity and income-earning power.

A full description of the Pelman Course, with a complete synopsis of the lessons, is given in "Mind and Memory," a free copy of which (together with "TRUTH'S" special supplement on "Pelmanism") will be sent free to all readers of the *Chemist and Druggist* who send a postcard to The Pelman Institute, 313 Pelman House, Bloomsbury Street, London, W.C. 1.

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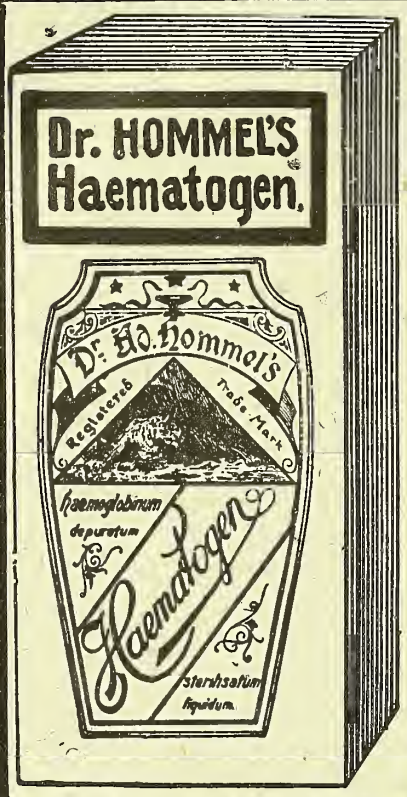

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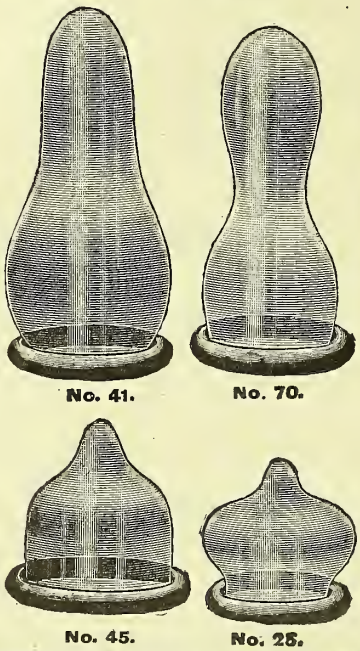

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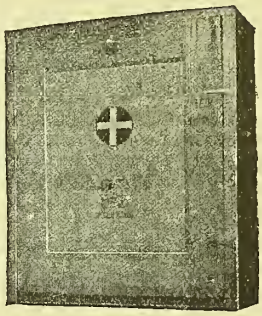

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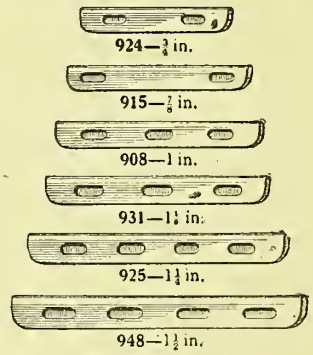

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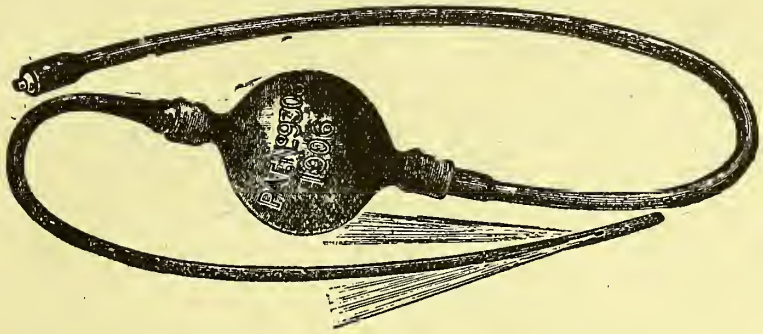

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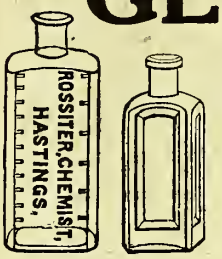

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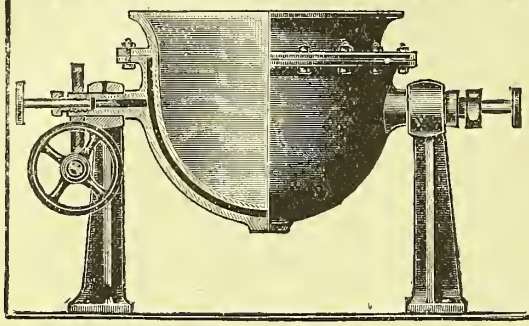

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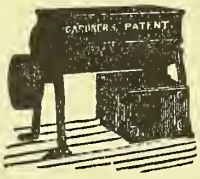

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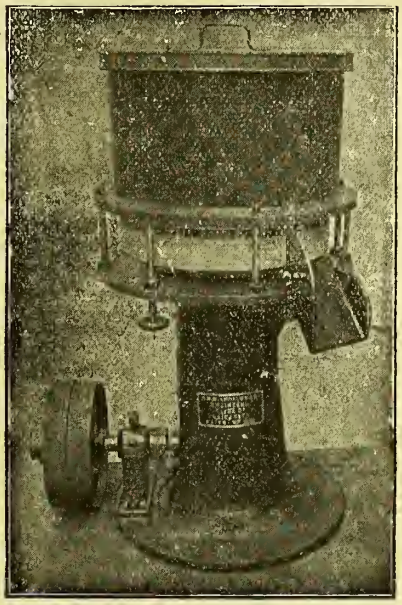

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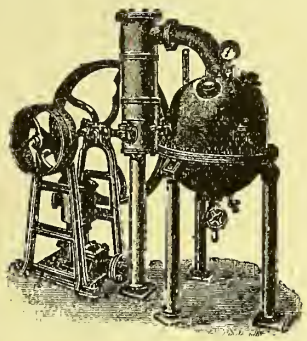

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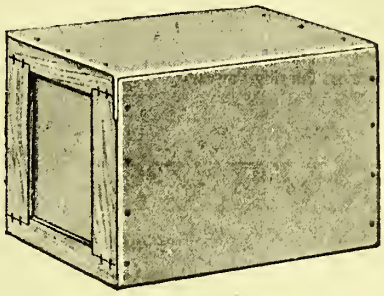

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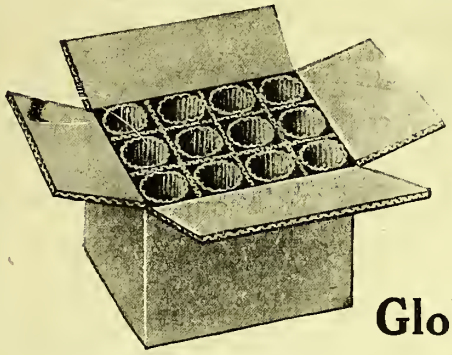

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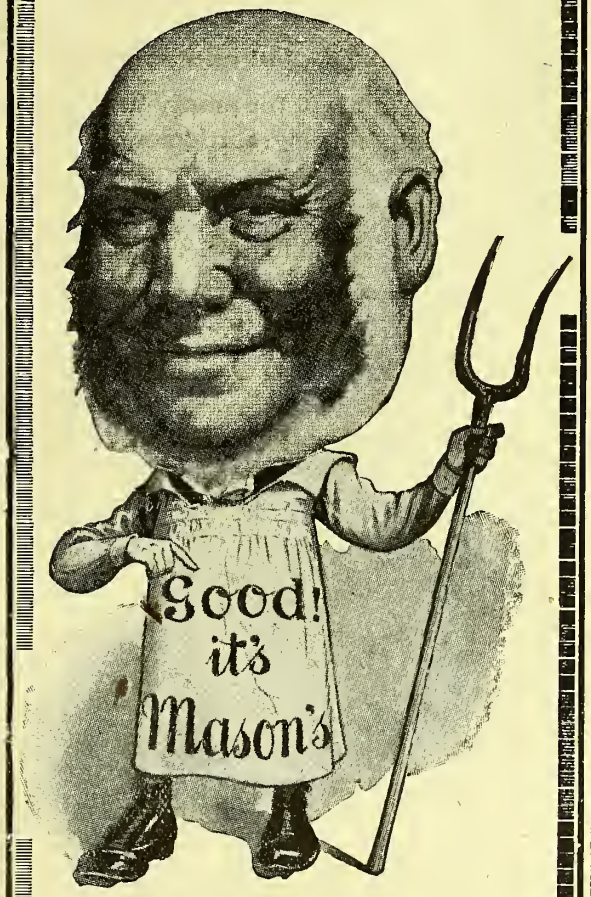

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THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, MAY 25, 1918.

This Supplement is Inserted in every number of The Chemist and Druggist.

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8.—WEST MIDDLESEX.—High-class Dispensing and Retail Business; returns upwards of £3,000; *net profit* £500; terms, valuation of stock and fixtures, and premium for goodwill to be arranged equitably.

9.—SOUTHERN COUNTY.—Very old-established Business, situate in busy shopping thoroughfare, and producing a net income of about £700 per annum; further details on application.

10.—MIDLANDS.—Vendor retiring; good-class Dispensing and Retail Business; excellent situation; returns exceed £2,000 yearly; well-appointed shop and good residence; valuation terms entertained; books properly kept, and periodical stocktaking.

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12.—SOUTH COAST (Near the Solent).—Retail and Dispensing Business, with plenty of profitable Prescribing; established 1856, and held by vendor upwards of 14 years; returns over £600; profit £250; rent £30; price £150.

13.—HOME COUNTY.—Well-established Business, situate in a pleasant country district; position good; returns average about £900, with net profit £250; rent £45; lease if desired; comfortable residence, garden; terms, valuation of stock and fixtures.

14.—BIRKENHEAD.—Retail and Dispensing Business; returns show a steady increase, and are now about £850; good prices are obtained; small residence; rent £32; no immediate opposition; terms, valuation of stock and fixtures; about £250.

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Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.,** can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

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BUSINESS for Sale; Midlands; reason for disposal, age. Particulars, "Midlander" (83/450), Office of this Paper.

DISPOSAL, Lincolnshire, in large village, military, a Business; purely Drug, lock-up shop; rent low; no opposition within six miles; might suit lady or one returned from the war; a rare opportunity for suitable party. Particulars "B." (144/9), Office of this Paper.

DRUG STORES (long established).—Thriving little Business in busy working-class district; splendid opening for N.H.I. and Dentistry; none done near; suit qualified or unqualified; £100; owner must sell; West London suburb. Write 146/17, Office of this Paper.

FOR Sale, high-class Chemist's Business; good saleable stock, newly fitted throughout; has done good business under personal management; good reasons for disposing; situated near Sloane Square Station. Apply 146/24, Office of this Paper.

TO CHEMISTS AND DRUG STORE DEALERS.—Chemist's Business in Selby, Yorkshire, with Wine and Spirit licence, for Sale; takings have averaged approximately £1,100 a year; low rent, centrally situated; will sell cheaply for quick sale. For further particulars apply Parkin S. Booth, Accountant, Association of Manufacturing Chemists, Ltd., 2 Bixteth Street, Liverpool.

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3.—HERTS (Market Town).—Most desirable Light Country Retail; easily worked; returns about £900; good profits; good house, bathroom, etc.; very best position; well stocked; price for prompt sale, simply valuation, under £400.

4.—HAMPSHIRE COAST.—Good-class Retail Dispensing and Photographic Business, in fashionable resort; returns approach £2,000; main road position; well-fitted Pharmacy, with residence attached; price £100 and valuation, in all about £900.

5.—LONDON, S.W.—Good-class Retail and Dispensing Business, in fine position, close to busy station; returns £1,000; no panel; clear net profit over £300; books properly kept; scope for increase, owner retiring; price for early sale, £500; part could remain; strongly recommended.

6.—LONDON (Western Suburb).—Light Cash Retail and Dispensing, with Photographic; busy main road; returns over £2,000, increasing; low rent; long lease; corner premises; well stocked; owner retiring; price £800.

7.—WEST MIDDLESEX.—Cash Retail and Prescribing, with small N.H.I.; returns average £24 a week; practically unopposed; low rent or lease; selling solely through ill-health; price £400; part can remain.

8.—LONDON SUBURB, S.E.—Cash Drug Stores, in good position; plenty of scope; returns £500; *net profit* £220; books properly kept; low rent; corner shop; good house; well stocked; price £250.

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AGENCIES.

MANUFACTURERS of fine Chemicals, Drugs, Perfumery, Products, makers of all kinds of Pharmaceutical and Toilet articles and distillers of Essential Oils, who are desirous of being represented in Egypt for the introduction and sale of their goods, should communicate with Vassiliadis & Feinberg, 6 Sherif Pacha Street, Alexandria; wide experience; first-class connection among Chemists and Druggists; high references.

BUSINESSES WANTED.

A SMALL Light Retail and Dispensing Business; town or country, with house accommodation preferred; cash available; no agents. State particulars and price for cash down, "Justitia," (144/19), Office of this Paper.

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RETAIL.

BIRMINGHAM.—Lady Assistant required (immediately) for progressive business, near the centre of the city; must be a good Dispenser. State salary required and when at liberty, "B. S." (146/130), Office of this Paper.

BOURNEMOUTH.—A vacancy occurs in June for a lady with Minor degree, to take charge of the Dispensing department; no N.H.I. Also a Junior for same department. Apply, with particulars of experience, salary, etc., to J. K. Matterson, Arcade Pharmacy, Bournemouth.

BOURNEMOUTH.—Outdoors Assistant, lady or gentleman (if gentleman must be ineligible) for good-class Dispensing business; knowledge of Dispensing and Retail. Apply, with full particulars, references, and salary required, Ledder, Chemist, Boscombe Park, Bournemouth.

BRIGHTON (outdoors).—Assistant required (at once); Dispensing and Retail; easy hours. Apply with full particulars, and photo if possible, J. Colby & Co., 101 Western Road, Brighton.

BRISTOL.—Capable lady or gentleman Assistant required for Dispensing and quick Retail business (if gentleman, must be ineligible or discharged soldier); salary and usual particulars to F. Moss, 206 Redlands Road, Bristol.

CHEPSTOW.—Capable lady or gentleman Assistant required for Light Retail and Dispensing; easy hours; outdoors. Full particulars to Clarke, Chemist, Chepstow.

DEVON.—Wanted, reliable unqualified Assistant, capable of taking charge of Drug and Dispensing department; no Sunday duty; very convenient house provided; permanency. Stephens & Graham, Ltd., Plympton, near Plymouth.

EALING, W.—Wanted, for a few weeks, a Junior Assistant, lady or gentleman, to help with Dispensing, etc. Apply, stating full particulars of past experience, also salary required, to J. T. Brown, Durbins, Ltd., Ealing Broadway, W. 5.

EASTBOURNE.—Wanted (at once), lady or gentleman Junior Assistant (outdoors) for high-class Dispensing business. State salary, with usual particulars, enclosing carte, to H. R. Browne, Pharmaceutical Chemist, Eastbourne.

FOREST HILL.—Unqualified Assistant for cash business; outdoors; no Sunday duty, close Wednesdays 1 o'clock; easy hours. Apply Messrs. Hoopers, Ltd., 12 Dartmouth Road, Forest Hill, S.E. 23.

KINGSTON-ON-THAMES.—Lady Dispenser for good-class business; wages 35s. to 45s., according to experience; the whole of the time can be spent at the Dispensing Counter; opportunity for learning Homœopathic Dispensing. Tamplin & Son, Dispensing and Homœopathic Chemists, Kingston-on-Thames.

LIVERPOOL.—Qualified Manager for Bury business; working class; Shipping, Wines and Spirits, N.H.I.; only quick man can run this single-handed; early and easy succession arranged; owner retiring; good house; healthy, open situation; position virtually offers right man business doing over £3,000 for about £600. State salary, etc., 146/19, Office of this Paper.

LIVERPOOL.—Elderly qualified Assistant; comfortable post; state salary, etc., 144/36, Office of this Paper.

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Applications are invited for the post of JUNIOR DISPENSER at this Hospital. Vacant September 1st next. Hours 11 a.m. to 7 p.m. Candidates preferably with previous Hospital experience. Must possess the qualification of the Pharmaceutical Society.

Applications, with copies of not more than three testimonials of recent date, should be sent to the Secretary.

EDWARD A. ATTWOOD, Secretary.

LONDON.—Young lady Assistant required (immediately); experienced in Dispensing essential. State age, salary required, and when at liberty, "U. R." (146/131), Office of this Paper.

LONDON, E.—Qualified Assistant for N.H.I. Dispensing, Counter, etc.; steady and reliable; ineligible or over military age; permanency; outdoors; state lowest salary. "Limited" (143/23), Office of this Paper.

LONDON, N.W.—Qualified Assistant wanted for Dispensing business; man or woman; invalid discharged soldier considered; furnished house. Apply 145/38, Office of this Paper.

LONDON, S.W.—Wanted, smart lady Assistant for Patents, Sundries, and Perfumery, and some knowledge of ordinary Drugs; short hours. Full particulars of experience, salary required, etc., 133/32, Office of this Paper

LONDON, S.W.—Competent Assistant wanted; must be a good Dispenser; whole time if possible. Please state particulars of experience, when disengaged, and salary required, Amon, Chemist, 436 Streatham Common, S.W. 16.

LONDON, W.—Part-time Assistant (ineligible) or lady with shop experience, to assist in first-class Dispensing and making preparations. Apply by letter to 145/13, Office of this Paper.

LONDON, W.—Qualified Assistant required (at once); lady or gentleman; if the latter, Grade 3. Apply Manager, Messrs. Allen & Hanburys, Ltd., 7 Vere Street, W. 1.

MANCHESTER.—Unqualified Assistant Dispenser (female) wanted. Apply, giving full particulars as to age, experience, and wages required, to Secretary, Ancoats Hospital, Manchester.

NORTH WALES.—Wanted, qualified Manager; unopposed Retail and Dispensing business; no heavy trade; industrial district; charming country around; three miles from Wrexham; Welsh useful, but not essential; permanency; commission; active elderly gentleman, or a lady could manage; good roomy house. Apply, with full particulars, to Rowland & Co., Chemists, Wrexham.

PLYMOUTH.—Assistant wanted for Dispensing and Retail business; outdoors. Hearder, Chemist, Westwell Street, Plymouth.

SOUTH OF ENGLAND.—Assistant required (male or female); free removal; permanency with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

WARMINSTER.—Assistant and Temporary Manager of Branch required at once; either qualified or unqualified; unmarried; exempt; good salary; good references required. Frank Cook, M.P.S., Warminster.

WEST RIDING.—Wanted (immediately), qualified Assistant, ineligible, for general and cash business; easy hours, no Sunday work. State age and full particulars and references, 139/26, Office of this Paper.

WESTON-SUPER-MARE.—Qualified Manager, ineligible for Army, for Branch Dispensing business house; if required, free of rent; rates, and taxes; Dispenser kept; short hours; every consideration. Full particulars, Lewis Wing, Ltd., Chemists.

WORCESTER.—Qualified Assistant for Dispensing Counter (lady or gentleman); easy hours, no Sunday duty. Please state full particulars, salary (outdoors), to E. J. Kitson, City Drug Stores, Worcester.

WORTHING.—Lady Assistant wanted, with Dispensing experience; outdoors; good-class business. Send particulars, with reference, to W. Aston, Pharmaceutical Chemist, Worthing.

A CAPABLE Junior (either sex); short hours, light work, no Sunday or holiday duty. Please state age, experience, and salary required, also give references, Thorpe, Pharmacist, Woodstock.

ASSISTANT (ineligible) for Drug Store; London knowledge; Photography desirable, but not essential; references must bear strictest investigation; good situation for suitable Assistant. Write, enclosing copies of references, to Pharmacy, 9 Wickham Lane, Plumstead, S.E. 18.

ASSISTANT, qualified, wanted (shortly) to manage branch. Also Dispenser; either sex; indoors. Give fullest particulars, salary required, etc., to Cruse & Co., Ltd., 63 Palmerston Road, Southsea.

ASSISTANT wanted for next two or three months; accurate Dispenser; outdoors. Apply, stating usual particulars and salary required, to Gould & Co., 23 North Audley Street, W. 1.

ASSISTANT wanted; outdoors; easy hours, no Sunday work; good-class Retail, Dispensing, and N.H.I.; liberal salary to really good man; qualification not essential; ineligible; very pleasant town; or qualified lady. Good opportunity to learn Optics. James Walker, Pharmacist, Sutton Coldfield.

ASSISTANT to live over shop; easy hours; house, coal, and gas found; Dispensing and Photographic business; an Apprentice kept; elderly gentleman would find this a comfortable berth; lady would be entertained who had companion to live over shop. State full particulars, photo if possible, and salary required, Walwin, Chemist, Gloucester.

CHEMIST.—Wanted, a fully-qualified Chemist, male or female (if male, ineligible), as Manager and Buyer for Drug and Dispensing department; annual sales, £2,260. Applications, giving full particulars as to age, qualifications, experience, present employment, and wages required, with copies of two recent testimonials or references, to reach the Secretary, Batley Co-operative Society, Ltd., by first post on Monday, May 27.

COUNTERMAN wanted; good experience Store trade (ineligible). Drug Department, Civil Service Stores, 28 Haymarket, S.W.

COUNTRY; 30 miles from London, near station; lady or gentleman (ineligible); outdoors; no night nor Sunday duty; best references; age, height, and salary required, "C. S." (144/3), Office of this Paper.

DISPENSER, unqualified, required for three months; lady or gentleman. Apply, giving full particulars of experience, also salary required, to Mr. Reid, 2 Queen Street, Exeter.

EXPERIENCED lady Dispenser; qualified; easy position; short hours; first-class Dispensing; near London. Write 145/32, Office of this Paper.

HOSPITAL FOR CONSUMPTION, BROMPTON, S.W. 3.—Wanted (at once), Dispensary Assistant; Minor qualification essential; lunch provided. Applications, stating age, experience (Hospital or otherwise), and salary required, accompanied by two recent testimonials, to be addressed to the Secretary.

IN THE CITY.—Assistant wanted during the next few weeks; outdoors; short hours; good salary to competent man; ineligible. Write 147/7, Office of this Paper.

JUNIOR Assistant (unqualified) required; lady or gentleman; good-class Light Retail and Dispensing business; time for study if desired. Apply S. W. Dawson, 56 Knight's Hill, West Norwood, S.E. 27.

JUNIOR Assistant for good-class business; young lady or discharged soldier; easy hours, no Sunday duty. Apply, with full particulars as to salary required and experience, Newton Wright, Chemist, High Road, Ilford.

LADY Dispenser required; fully experienced, and capable of assisting in first-class Pharmacy; comfortable hours; outdoors. Full particulars to G. Peck & Son, Pharmaceutical Chemists, Cambridge.

LADY Assistant wanted; Hall qualification, or experienced in Dispensing; three employed; hours 9 to 7, Saturdays 8 o'clock, Thursdays 1 o'clock, no Sunday duty; outdoors. Shields & Warren, St. Albans.

LADY Pharmacist required, chiefly for Dispensing; short hours. Saturday half-day. Apply Mr. Longstaff, John Barnes & Co., Ltd., 191/217 Finchley Road, N.W.

LADY Assistant; used to Dispensing and Counter work; outdoors. All particulars to Durbin Bros., High Street, Putney, S.W. 15.

LOCUM wanted (at once) for about three weeks; moderate hours. State salary, etc., S. G. Bartlett, Jewry Street, Winchester.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

QUALIFIED Manager (ineligible), chiefly for N.H.I. Dispensing and Retail. Give full particulars, stating salary (indoors), Eato, 57 Forest Lane, Stratford.

QUALIFIED or unqualified Assistant wanted (either sex). Reply, with full particulars, Wade, Chemist, Stepney Street, Llanelly, S. Wales.

QUALIFIED Assistant wanted; Sheffield. Apply 48/50, Office of this Paper.

QUALIFIED Assistant (ineligible) wanted in a West-End business; outdoors. Apply by letter to S. W. Ord, 3 Hanover Street, W. 1.

QUALIFIED Manager, over military age or rejected, required for first-class business in the provinces; splendid opportunity for a capable and energetic man. "H. L." (146/13), Office of this Paper.

QUALIFIED young man, single and rejected or discharged, required immediately; permanency, with good prospects of advancement. Please state age, salary required, and when at liberty, "H. L." (146/132), Office of this Paper.

QUALIFIED Dispenser (not a lady) for four weeks commencing late June or early July; recent references essential; do not send testimonials. State age and terms to Pinch & Co., Bath.

QUALIFIED Manager, London suburbs, outdoors (immediately); Light Retail and Dispensing; good salary to reliable man. References, photo, etc., in first application, "Pharmacist" (146/11), Office of this Paper.

QUALIFIED Locum; last fortnight in June; South Wales; terms and references in first letter. Apply "Radix" (145/24), Office of this Paper.

RELIABLE Locum, qualified, wanted immediately (owing to illness of proprietor) for market town in Lincolnshire. Apply Lofthouse & Saltmer, Ltd., Hull.

SURGICAL INSTRUMENT BUSINESS.—Assistant for Shop Counter; state age, other duties accustomed to, and wages expected. Reply "Surgical," Lee & Nightingale, Liverpool.

UNQUALIFIED; pleasant, good-sized country town; ineligible; no heavy trade; Light Retail and Photographic; permanency. Apply 145/30, Office of this Paper.

UNQUALIFIED Assistant; outdoors; must be ineligible; for good-class cash business. Full particulars to Durbin Bros., High Street, Putney, S.W. 15.

WANTED (urgent), qualified Chemist; lady or elderly man not objected to; good mixed business; N.H.I. Dispensing. State salary, references, etc., to Lancashire Drug Co., Ltd., Accrington Road, Burnley, Lancs.

WANTED, a lady Dispenser for Hospital (56 beds) and Panel patient work; salary £50 per annum, with board and lodging and washing allowance from 16th June, 1918. Further particulars from the Secretary, Hertford County Hospital.

WANTED for a few weeks, a lady Assistant to assist at Counter. Write, stating experience and salary required, to Leverett & Frye, Ltd., Drug Department, North Finchley, N. 12.

WANTED, qualified gentleman or lady for management of Branch in small town near Derby; light pleasant business; easy hours. Applicants will kindly give references and full particulars in first letter to Craven, 18 Bridgehouses, Sheffield.

WANTED, a Dispenser (lady) for Wednesday and Saturday evenings, 5.30 till 9, and alternate Sundays, 6 till 8. Dr. Johnson, 46 Packington Street, Islington, N.

WANTED, Junior for brisk Retail and Dispensing; not eligible for Army. Apply, with references and photo, to D. Thomas, 128a Penarth Road, Cardiff.

WANTED for Lancashire, Assistant; male (if ineligible) or female. State full particulars to "X. Y. Z." (145/23), Office of this Paper.

WANTED, a competent Assistant, married or single, ineligible, for a good mixed country business. Apply, giving particulars as to age, salary, references, past experience, etc., to Joseph Blower, Knighton, Radnors.

WANTED (immediately), qualified Assistant. State experience, reference, and terms to Wardale & Co., 132 High Street North, East Ham, E. 6.

WANTED (at once), unqualified Assistant; male or female; must be competent Dispenser, with Counter experience; good salary; reasonable hours. Neathercoat, Pharmacist, 60 Denmark Hill, S.E.

YOUNG lady Dispenser, with Counter experience, required for Cricklewood district; must have Apothecaries' Hall qualifications. Apply, personally or by letter, to Parke's Drug Stores, Ltd., 64 Harmood Street, N.W. 1.

WHOLESALE.

ANALYTICAL qualified Chemist of either sex required (immediately) to take charge of Laboratory of a London Dairy Company; salary according to qualifications and experience. Write, giving full particulars, to "Dairy," c/o Street's, 30 Cornhill, E.C. 3.

COMPRESSED Tablet Machinist wanted. State experience to W. B. Cartwright, Ltd., Rawdon, near Leeds.

COUNTER Hand for town and country orders. Apply, stating experience and salary required, to Midgley's, 5 Mayes Street, Manchester.

EXPERIENCED man required to take charge of manufacturing all kinds of Toilet preparations. Write, giving full particulars and salary required, to 141/23, Office of this Paper.

INVOICE Clerk (male or female) wanted at once; must have had experience in the Wholesale; state wages and experience. Apply 139/140, Office of this Paper.

LABORATORY Hand; experienced in manufacture of Toilet preparations; progressive position. State wages required and full particulars to 82/68, Office of this Paper.

REPRESENTATIVES wanted, calling on Chemists all over the Midlands, and also for London north of the river; desirable lines for female Travellers. Write, with full particulars of experience and commission required, to 81/11, Office of this Paper.

WANTED for Chemical department of Import and Export firm, an intelligent and capable Shorthand Typist (exempt from military service), conversant with the trade, as Assistant to the Manager. Applications, stating age, references, and salary required, to be addressed to "Z. B.," c/o J. W. Vickers & Co., Ltd., 5 Nicholas Lane, E.C. 4.

WANTED, a Manager for Instrument Department; good knowledge of fitting, etc.; must either be over military age or ineligible. Apply to R. Sumner & Co., Ltd., Wholesale Druggists, Liverpool.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office and forwarded on payment of an additional charge of 6d.

RANGOON.—E. M. de Souza & Co. require qualified Assistant; ineligible; about 25; salary 300 rupees per month 325/350; three years' agreement; good prospects; passage paid out and home. Apply E. M. de Souza & Co., 44 Holborn Viaduct, E.C. 1.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

[HOME.]

RETAIL.

AS Senior; aged 43; unqualified; C3; disengaged end June. Apply, stating salary, etc., "Rhei" (145/11), Office of this Paper.

AS substitute or permanency; age 32; Grade 3; N.H.I. qualification; good Prescriber; highest experience all branches; married. Kemp, George Street, Loughborough.

BIRMINGHAM.—Lady, unqualified, seeks part or whole time situation as Counter Assistant; hours of convenience of employer. Apply 143/37, Office of this Paper.

CHEMIST and Drug Stores requiring qualified assistance, elderly Pharmacist places his services at their disposal. Quote terms and hours in reply, "X." (144/24), Office of this Paper.

DISENGAGED; competent Dispenser, Manager, or Assistant; first-class London experience; ineligible; locum or permanency; London or suburbs. "B.," 80 Rosebank Avenue, Sudbury Hill, near Harrow.

ELDERLY gentleman; qualified; easy hours; light duties. Apply 144/17, Office of this Paper.

EXPERIENCED Manager, qualified, shortly disengaged, seeks position of responsibility; London or provinces; excellent references. "Peroxide" (146/9), Office of this Paper.

LADY Dispenser desires post; Hall certificate. Apply 144/18, Office of this Paper.

LADY Dispenser, Hall qualification, some experience, seeks post in London Hospital, or with Doctor in Watford district; disengaged in July. Miss Learmount, 128 Pinner Road, Watford.

LADY Dispenser, Hall certificate, two years' experience Military Hospital, seeks afternoon post as Locum for a fortnight from Monday next; London district. Miss M. S., at 55b Longridge Road, Earl's Court, S.W. 5.

LADY Dispenser (20) desires post with Chemist for May and June; London, N.W. "Theobroma" (145/1), Office of this Paper.

LADY Dispenser (Hall) requires part-time post with Chemist or Doctor; S.W. district. Apply 145/16, Office of this Paper.

LADY Dispenser (Hall); post or locum; London; experienced; good testimonials, Institution, Doctor. Apply 145/22, Office of this Paper.

LADY Dispenser, Hall qualification, requires temporary work with Doctor, Hospital, or Institute; good testimonials. Gibson, High Street, Braintree, Essex.

LOCUM; competent all branches; 41½ years; married; unregistered; highest references; N.H.I. qualification; conditional exemption, Grade 3; booking forward; from June 8th. "Statim," 135 Queen Street, Newton Heath, Manchester.

LOCUM TENENS; disengaged May 27; middle-aged; well recommended; unqualified. Please send particulars, "L. T.," 51 Herbert Street, Aberdare, S. Wales.

LOCUM or permanency until Michaelmas; qualified; ineligible; highest references; South Wales or Western England. Beynon, Long Oaks, Penmaen, Glamorgan.

LOCUM; 51; experienced town and country; abstainer; disengaged 31st. "Chemicus," 100 Landor Road, Stockwell, S.W. 9.

LOCUM; qualified; ineligible; long experienced; Pharmaceutical and Hospital; at liberty now, other dates later. Smith, 33 Albert Street, Warsop, Mansfield.

LOCUM, qualified, 56, Branch Manager, offers services last fortnight June; South or West or country preferred. North, 136 Linden Road, Bournville, Birmingham.

LOCUM; qualified; experienced all branches; now disengaged. "Pharmacist" (147/5), Office of this Paper.

LOCUM; lady Dispenser; qualified; 16 years' experience; Worcester. Apply 146/28, Office of this Paper.

LOCUM; recent references; excellent experience; few vacant dates. Apply 146/16, Office of this Paper.

MANAGER of good-class business desires re-engagement end of June. Full particulars, please, 144/4, Office of this Paper.

OWING to shortage of labour and other causes, Chemists who have taken their own stocks cannot devote the time required to price them out. The advertiser, who has had many years' experience, will undertake to do it in a satisfactory manner and on reasonable terms. Apply 112/19, Office of this Paper.

PART-TIME; Saturdays, Sundays, or as arranged; near tubes; experienced. Apply 144/34, Office of this Paper.

QUALIFIED; 42; good experience; satisfactory references. Apply 144/15, Office of this Paper.

QUALIFIED; 39; discharged Army; Dispensing experience. "Robinson," 141 Ribblesdale Road, Streatham Park, London, S.W.

QUALIFIED, well educated; adaptable; good experience and references; Manager or Senior in first-class West-End Dispensing establishment (or Wholesale); in- or outdoor. Please state hours, salary, etc., "Discharged" (146/29), Office of this Paper.

QUALIFIED, elderly, permanent position as Manager; all-round experience; energetic, reliable; Midlands preferred; house attached an advantage. Address "B.," 4 St. Mary's Street, Wolverhampton.

RELIEF two or three days a week; years of experience; male. Apply 144/27, Office of this Paper.

SENIOR or Manager; good experience; Minor; Central London; disengaged; best references. Apply 146/26, Office of this Paper.

SUBURBS (London, Brighton, or South Coast).—Qualified open to engagement immediately; Dispenser, Assistant, or Manager for another being called up; Photography; no objection to temporary engagement in good-class business. A. C. T. Smith, 65 Preston Park, Brighton.

TEMPORARY engagement, Dispenser or Locum, by qualified Pharmacist; over 25 years' sound experience; now disengaged. Write "Western" (145/14), Office of this Paper.

TRAINED Nurse (London), part-qualified Dispenser (Hall), desires post with Doctor; country preferred; some experience. Address 144/23, Office of this Paper.

UNQUALIFIED Manager or Managing Assistant; 35; military category R/R; disengaged; locum duties entertained. Roberts, 36 West Street, Chester.

UNQUALIFIED; 24; Grade III.; good-class experience. Full particulars, salary offered, etc., to "Provincial" (146/1), Office of this Paper.

YOUNG French Dispensing Chemist, speaking English fluently, well educated, desires situation in England. Write to Mr. Pierre Claviere, 39 Rue Carnot, Poitiers.

YOUNG lady, two years' Dispensing and Counter experience, seeks situation. Apply 145/18, Office of this Paper.

29 YEARS' Retail experience; qualified; ineligible. Apply 144/38, Office of this Paper.

WHOLESALE.

AN ineligible man (46), adaptable with ideas, desires position with first-class firm; many years' experienced Traveller and Manager handling Specialities, Proprietaries, and Sundries in town and provinces; anywhere, but Home Counties preferred; salary £4. Hannay, 74 Merlin Square, Abbots Langley.

GENTLEMAN, with excellent connection, London and suburbs, desires to represent first-class house in any branch where reliable man is required. Apply 147/10, Office of this Paper.

GENTLEMAN (young) wishes to represent house; London or South; first-class experience; ineligible. Apply 146/15, Office of this Paper.

MEDICAL AND PHARMACEUTICAL FIELDS.—A Representative with exceptional record is open to engagement; effective interviewer; strong and wide connection; first-class position only considered. Apply 144/340, Office of this Paper.

SMART Salesman desires to represent good Wholesale house who needs energetic and conscientious worker; fifteen years' exceptional experience Drug and Allied trades; age 31; ineligible military service; splendid references. Address "Keep in Touch" (145/15), Office of this Paper.

WOMAN Pharmacist (experienced) desires post London; part-time or locum; not Retail. Apply 145/37, Office of this Paper.

WORKS CHEMIST OR MANAGER.—Expert Analyst and Drug Sampler requires position; practical knowledge of modern manufacturing methods; fine Chemicals, Soaps, Malt Extract, Surgical Dressings, Horticultural Preparations, Essences, Toilet Specialities; can control staff. Apply 144/28, Office of this Paper.

YOUNG gentleman requires post with Wholesale house of Chemists. Apply 145/19, Office of this Paper.

SITUATIONS WANTED.

(Colonial, Indian and Foreign.)

1s. for **12** words or less; **6d.** for every **10** words beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies, or elsewhere abroad.

CAIRO.—Young English lady desires post with Pharmacist in Cairo about September; Apothecaries' Hall qualification; five years' Dispensing and Counter experience; excellent references. Apply, stating full particulars, 143/4, Office of this Paper.

MISCELLANEOUS.

MCADAM & TUCKNISS, Stock and Share Brokers, Bank Chambers, Blackheath, S.E. 3 Established 1898. Telephone: 81 Lee Green.

Shares for Sale (free of commission, subject).—250 Bovril Def., 10s. 9d.; 150 W. J. Bush 5% Prefs., 74s. 6d.; 600 Anglo-Continental Guano, 5s.; 500 Dolok Rubber, 3s. 1½d.; 100 G. B. Kent Prefs., 16s. 10½d.; 400 Peat Coke, 4s. 3d.; 133 Yeatman Ordinary, 9s. 10½d.; 33 5½% Prefs., 77s. 10½d.; 44 Brunner Mond Ordinary, 39s. 4½d.; 30 United Indigo Ord., 6s. 10½d.; 150 Salt Union 7% Prefs., 22s. 10½d.; 100 Stevenson & Howell £1 5% Prefs., 16s. 9d.; 50 Lever 6½% Prefs., 20s. 10½d.; 20 International Sponge Prefs., 14s.; 100 Lewis & Burrows Ord., 10s. 6d.

Wanted (subject).—100 Evans Lescher Prefs, 16s. 1 d.; 150 Wright Layman Prefs., 19s.; Idris "A" Prefs. and Debentures.

Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

WHAT offers? Six hermetically sealed Jars, containing five yards 5% Iodoform Linton Moist Gauze J. & J.; ten cwt. Lump Fuller's Earth, good quality; about 1¼ cwt. pocket first-class Hops, sample on application; two Specie Jars, good condition, Arrowroot and Magnesia, 27 in. high. Wain Bros., Ltd., Wholesale Chemists, Longton, Staffs.

NAPHTHALINE Balls, 10 cwt., or would divide. What offers? The Camphylene Co., Ltd., Briant Street, London, S.E.

SHOWCASES AND SHOP FITTINGS.—Several fine Silent Salesman Showcases and Counters; quantity of useful Shop Fittings; low prices. Write inquiries, Philip Josephs & Sons, Ltd., 93 Old Street, London, E.C. 1.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

Developing Printing Enlarging
PRICES FREE. PROMPTNESS.
Wanted—all kinds of Folding Cameras, plate or film. Cash on receipt.
MARTIN, Chemist, SOUTHAMPTON.

FLOWER AND VEGETABLE SEEDS.
BULK OR PACKED.
PENNY PACKETS, per gross, **7s.**; 5 gross @ **6s. 9d.**; 10 gross @ **6s. 6d.**; 25 gross @ **6s. 3d.** Net, Carriage Paid. Assorted as desired. List of Varieties on Application.
Special Low Quotations for Bulk.
A. S. PRICE & CO., Ld., Blackheath, Birmingham

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COMPOUND.
We are oversold, and to complete the orders in hand must regretfully decline any new ones
UNTIL WE RENEW OUR PRICE LIST IN THIS SPACE.
We will do our best to quickly clear orders in hand.
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Films developed and printed by experts and promptly returned. Liberal discount. Terms on application. Trial solicited.
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to be made in the Photographic Department of your business, but the Developing, &c., must be WELL and QUICKLY done. We are experts, and return all work promptly. We pay return postage on all orders of 2/- or over. Send for our list and give us a trial.
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COTTON WOOL.
One-pound parcels. White, Absorbent, Interleaved.
56 lb. at **2/2½** per lb.; 1 cwt. at **2/2.** *Carriage paid.*
Cash with order. Wrappers charged 3/6 and returnable.
Super qualities at reasonable prices.
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One halfpenny per word with name and address. One penny per word if we register the address and attach a number.
No advertisement inserted for less than 6d.

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DRUGS AND CHEMICALS.

30-LB. Jar Ammonia Nitrate; clean sample sent; no reasonable offer refused. Woods, Lostock Hall, Preston.

7 LB. Powdered Culinary Gelatine, 3s. 6d. per lb.; sample two stamps. J. R. Cave, Ltd., 77 Wennington Road, Southport.

WHAT offers? 6 lb. Pot. Bichrom., 1 lb. Pot. Chromas, 1 lb. Yellow Prussiate, ½ dram Atropin, 1 lb. Scammony. "Pharmacist" (83/45), Office of this Paper.

2 ANTIPHLOGISTINE, medium, 6s.; 4 lb. Pot. Permanganate, £2 12s.; 56 lb. Cera Flav., 2s. per lb.; 4 oz. Acid Benzoic from Gum Benzoin, 10s. Reidy, Chemist, Cahirciveen.

OPTICAL AND PHOTOGRAPHIC.

OPHTHALMOMETER: electric illumination; made by Anglo-American Optical Co.; practically never used. Offers to Clarke, Pharmacist, Blackpool.

MISCELLANEOUS.

4 "C" Sparklet Syphons, with 6 boxes Empty "D" Bulbs. Offers to Tween, Bushey.

WANTED.

POSTCARD Film Packs. State price, Hall, Chemist, Blackpool.

NYAL'S Figsen. Price and quantity to Widgery, Weston-super-Mare.

EVIAN Water, Cachet; 50 quarts or less. Anthony, Chemist, Bedford.

OLIVE, Sesame, Cotton, Linseed, Castor, and Nut Oil. Belsher, Chemist, Bloxwich.

6 4s. 6d. Sirolin; clean; price, carriage paid. Gibson, 135 London Street, Glasgow.

SLOAN'S Liniment. State size, quantity, price, 138/2, Office of this Paper.

TABLET Machinery, new or second-hand, wanted. Particulars to 61/54, Office of this Paper

MAG. Carb. Pond., B.P., wanted. State quantity offered and price, W. B. Cartwright, Ltd., Rawdon, near Leeds.

TABLET Machine wanted for ½ inch tablets if possible; "Eureka"; state price. Apply 78/46. Office of this Paper.

TABLET Machines, any condition; good prices given. Particulars to 144/6, Office of this Paper.

TINS to hold anything between 6 and 16 oz.; flat shape preferred. Floyd, 75 Cambridge Street, Glasgow.

SACCHARIN Tablets (550 standard): imported from 14 to 28 lb.; cash with order. Reply 144/7, Office of this Paper.

BIG prices paid for Stokes' or Colton Tablet Machines; Pill Machinery also wanted. Particulars to 78/58, Office of this Paper.

WINCARNIS, Hall's Wine, Meat and Malt Wine, Port, Sherry, Burgundy, Quinine, Ginger, and Orange Wine. Belsher, Bloxwich.

TINS wanted; large or small; plain or decorated; new or second-hand. Particulars to Camphylene Co., Ltd., Briant Street, New Cross, London, S.E.

"CHEMIST AND DRUGGIST," April 1st, August 12th, 26th, and September 9th, 1916. Price to Stechert & Co., 2 Star Yard, Carey Street, London, W.C.

QUOTATIONS wanted for making large quantities one- and two-ounce white flint square Bottles, also Moulds for same. De Witt's, 44/45 Rathbone Place, London, W. 1.

50 GROSS Health Salts in 4-oz. lever-lid tins; quotation and sample tin for inspection; urgent. 'Chemist," 367 Lytham Road, Blackpool.

WANTED, Radium Salt, pure or Residues, old Applicators, etc. Apply Harrison Glew, Radium Laboratories, 156 Clapham Road, S.W. 9.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation, cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

JOB line Tins wanted, suitable for Boot Polish, etc. We are also buyers of Tin Plates, printed or plain. Also Cartons for same. "Brytenup" Polish Works, Marsh Lane, Preston.

SPECTACLE Lenses, Gold-filled Spectacle and Eyeglass Frames, in any quantity. Particulars and prices to Bishop & Vincent, 460 Holloway Road, N. 7.

CAMERAS, new or second-hand; Roll Films; Plates; Developing Tanks, and all kinds of Photographic Sundries. Particulars and prices to Bishop & Vincent, 460 Holloway Road, N. 7.

SPECTACLE Lenses, Glazed Spectacles, any kind; Gold-filled Spectacle and Eye-glass Frames, Artificial Eyes and Barometers. State quantity, condition, price, etc., Hebditch, "Parkholme," Christchurch Road, Doncaster.

ADVERTISER will purchase, for cash, interchangeable 1 and 0 Eye Convex Lenses (ticketted) and G.F. Frames. Send full particulars of any offers to 85/1, Office of this Paper.

QUANTITY of Talcum Powder required; good quality, and guaranteed free from foreign matter. Sample, quantity, and price to Hall, Hepsworth & Co., 431 Holloway Road, London, N. 7.

WANTED, Dental Forceps; Maw's, Ash's; 1 Hawk's-bill, 1 Lower Molar Forceps, 1 Upper Molar Forceps, right, and one left; 1 Upper Stumps, 1 Dental Mirror. State price, Pte. H. Toes, 52933 R.A.M.C., c/o 52nd Stationary Hospital, B.E.F., France.

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WANTED BY

WATSONS, SHEFFIELD

All sizes, full wholesale price allowed for No. 2 Brownie, Vest Pocket Kodak, and No. 1 Brownie Spools.

Also Spools for Ensignette and Ticka Cameras, Film Packs all sizes, and Ensign or Wellington Films.

We will buy out-of-date films if not too old.

Don't keep anything photographic on your shelves.

If the area you live in is restricted, or your business quiet, pack all your photographic goods off to us. We'll buy them and see that you are not the loser.

Wanted CAMERAS of all kinds. Two-thirds retail offered for **Vest Pocket Kodaks** with R.R., or better, lenses, **Watch Pocket Carbines, No. 2 Folding Brownies, No. 1 Junior Kodaks** with R.R., or better, lenses, **Brownie and 3½-inch Developing Tanks.**

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"Many thanks for postal order to hand yesterday. I must say that you have been most courteous and straightforward over this matter. Indeed, I cannot conceive of a firm being more straightforward than yourselves." H. H. E.

HOLLOWAY, N.

"I am in receipt of your letter and cheque, value £5, in payment for camera; and I am greatly obliged by the prompt and liberal treatment I have received in the matter." C. W.

WATSONS', The Camera House,

84 High Street, Sheffield.

Telephone No. 27.

P.A.T.A. NOTICE.

During the continuance of the war the P.A.T.A. will, in addition to making monthly announcements as hitherto, publish weekly the revised prices of any P.A.T.A. articles which it is important the Trade should know without delay. The prices announced below will come in force as from the date of this issue :—

Old Price.	New Advertised Price.		Minimum Retail Price	Minimum Wholesale Price.
1/3	2/-	**Potter & Moore's** Lavender Water, No. 43	2/-	17/-
2/3	3/6	" " " " " 44	3/6	30/-
3/9	6/6	" " " " " 45	6/6	54/-
5/4	9/-	" " " " " 46	9/-	78/-
	9/-	" " " " ¼ pint	9/-	78/-
	16/-	" " " " ½ "	16/-	136/-
	30/-	" " " " 1 "	30/-	21/- ea.
	1/3	**Brompton** Specific	1/3	12/-
	3/-	" "	3/-	30/-
	2/9	**Mellin's** Food Biscuits 2½ % dis. for cash 20/- lots	2/9	26/4 net monthly account
		Daisy Powders, loose ...	1½d. ea.	
	2d.	**Senier's Kleen** Straw Hat Cleaner...	2d.	13/6 gr.
	4/6	**Hæmatogen**, stamped ...	4/6	44/-
	3/6	" unstamped ...	3/6	32/-

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Sugar Substitute for Jam Making, &c.

CHEMIST, ATTENTION !

1 oz. of Shugow equals 1 lb. of Sugar, about 16 times sweeter than Sugar. One pinch sweetens cup of tea, &c.

SHUGOW

Good for CAKES, PUDDINGS, ICE CREAM, PASTRY, JAM, &c.

One teaspoonful equals 2 oz. of Sugar. **8d.** a packet. Try one, you will be delighted. Sells like hot cakes ! 3 doz. **22/-**, 6 doz. **42/-**, 1 gross **£4.** Cash with order. Carriage paid.

Saccharin Tablets (½ gr. in 1) £7 10 0 per lb.

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DISPENSING BOTTLES & PHIALS.

CLEAR BLUE TINTED, plain or graduated.
8 and 4 ounce. 6 and 8 ounce.
12 ounce.
WHITE PHIALS, plain or teaspoons.
½ ounce. 1½ ounce.
1 " 2 "
BLUE LOTION BOTTLES, all sizes.
Lowest Market Prices Charged.

CORKS. Superior Quality. No advance in price.
6 and 8 ounce ... ... 1s. per gross, in 6 gross bags.
Vials ... ... 10d. per gross, in 3 gross bags.
Delivered free within 7 miles, and to certain stations. Particulars on application.

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Orders sent to either establishment have attention.
Established 100 Years.
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To Manufacturing Chemists.

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Tel. No.: Avenue 451. *LONDON, E.C. 3.*

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Compare these prices before ordering. *WE* can save you about 30 %

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WHITE LINT, in 1 lb. rolls, at **3/9** per lb.
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Packed in 1 cwt. Bales. Bales charged extra, 3/6 each.

Also packed in 56 lb. bales of each at 2/2½, 3/9½, 2/8½ respectively.
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Carriage paid on 56 lb. Bales 2/6 & 1/6 each. Cheque with Order.

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THE PRIMO DRUG CO., 5 Bury New Road, Manchester.

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Order early. NET PRICES.

No. 39. Red 25/- doz.; No. 45. Ex. Stout Bands ... ... 29/- doz.
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No. 42. White Stockingette Bands ... ... 22/6 "
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Waterproof Circular from ... ... 5/6 "
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(All British).
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386 CITY ROAD, LONDON, E.C. 1.
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Printed for the Proprietors by SPOTTISWOODE, BALLANTYNE & CO., LTD., 1 New-street Square, E.C. 4, and published by the Proprietors at 42 Cannon Street, in the City of London.— *May* 25, 1918. [88]

SCIENTIA B&B Co DILIGENTIA

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Rheumatic Lumbago,
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Muscular Pains,
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Full directions for use enclosed.

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East Ham, London, E.

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PRICE **10/6** DOZ.

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Telephone: EAST HAM 686 (four lines).

SKIN CREAMS *for* SUMMER SALE

The get-up of this Preparation is exquisite, each bottle being enclosed in an embossed carton of unique design and appearance. The fixed retail price is **1/-** the bottle.

WE CAN SUPPLY THE FOLLOWING VARIETIES:

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5. Sunburn Cream
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9. Elder Flower Lotion
10. Buttermilk Lotion
11. Liquid Cold Cream
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13. Almond Cream
14. White Rose Cream
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Carton Cameo Embossed Label in Gold and Colours.

In $2\frac{1}{2}$ oz. York Panelled, each Bottle in Carton.

Price **6/9** per doz.; 12 Doz. **6/6** Carriage Paid.

NAME AND ADDRESS ONLY ON SIX DOZEN.

PROPRIETARY NAMES.—Chemist's own Proprietary Name printed on orders of not less than 2 Gross.

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Hove Eng.

Printed for the Proprietors by SCOTTISWOODE, BALLANTYNE & CO., LTD., New-St., Square, E.C. 4; and Published by the Proprietors at 42 Cannon Street, in the City of London.—*May* 25, 1918.